

U.S. Patent and Trademark Office

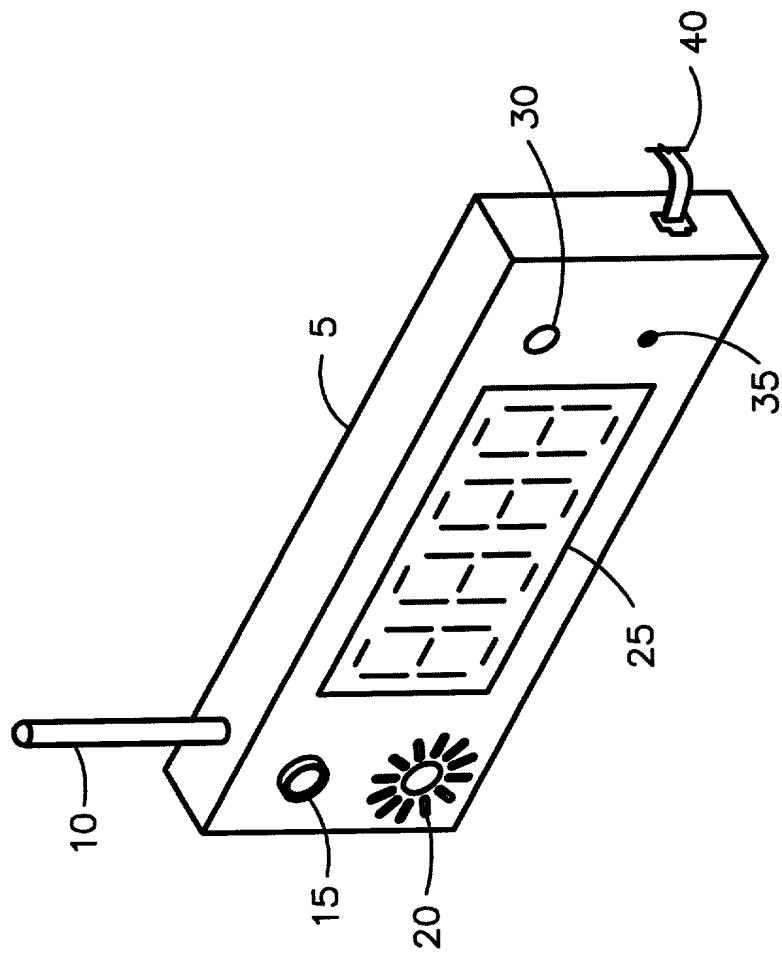


FIG. 1

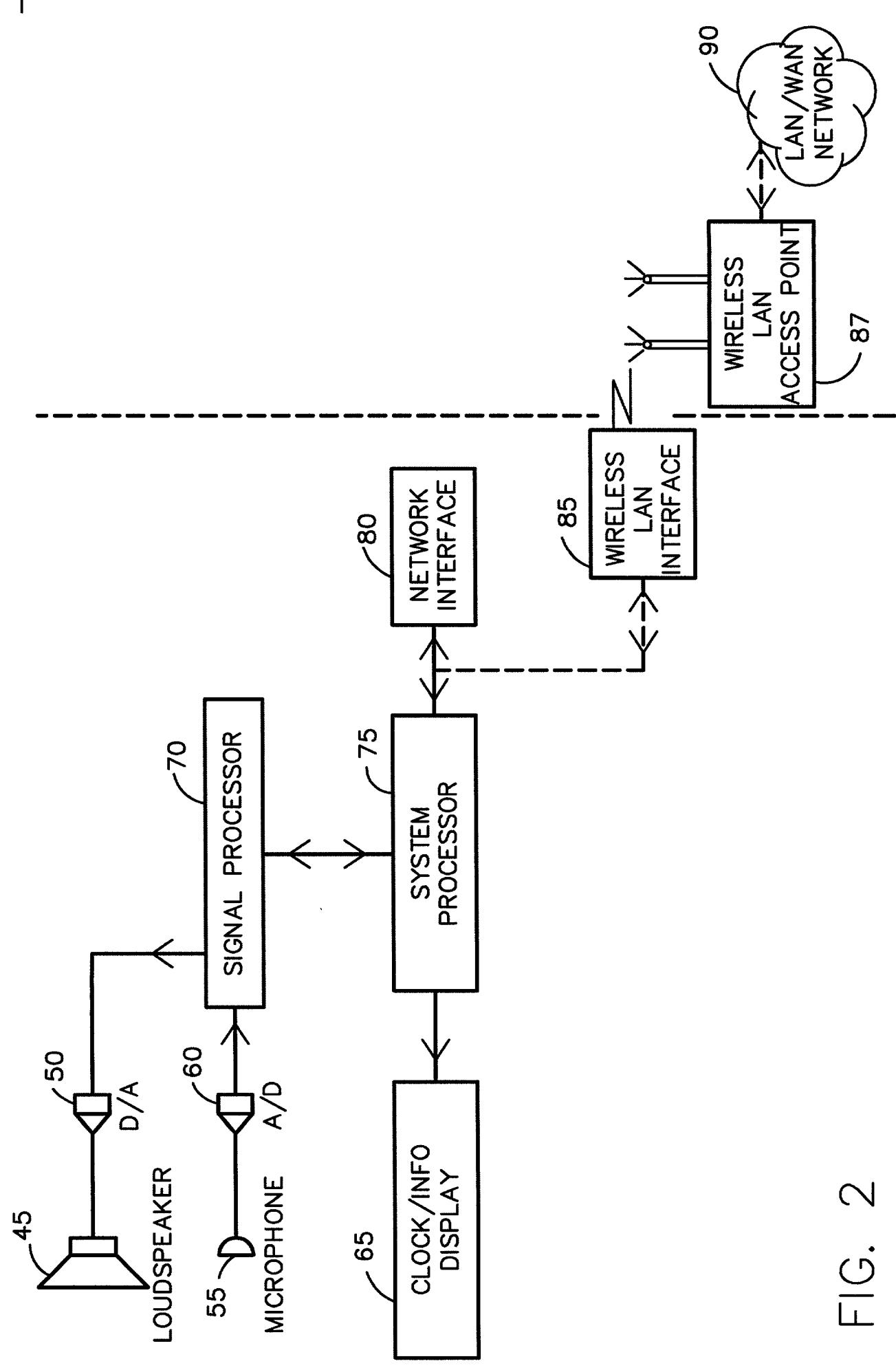


FIG. 2

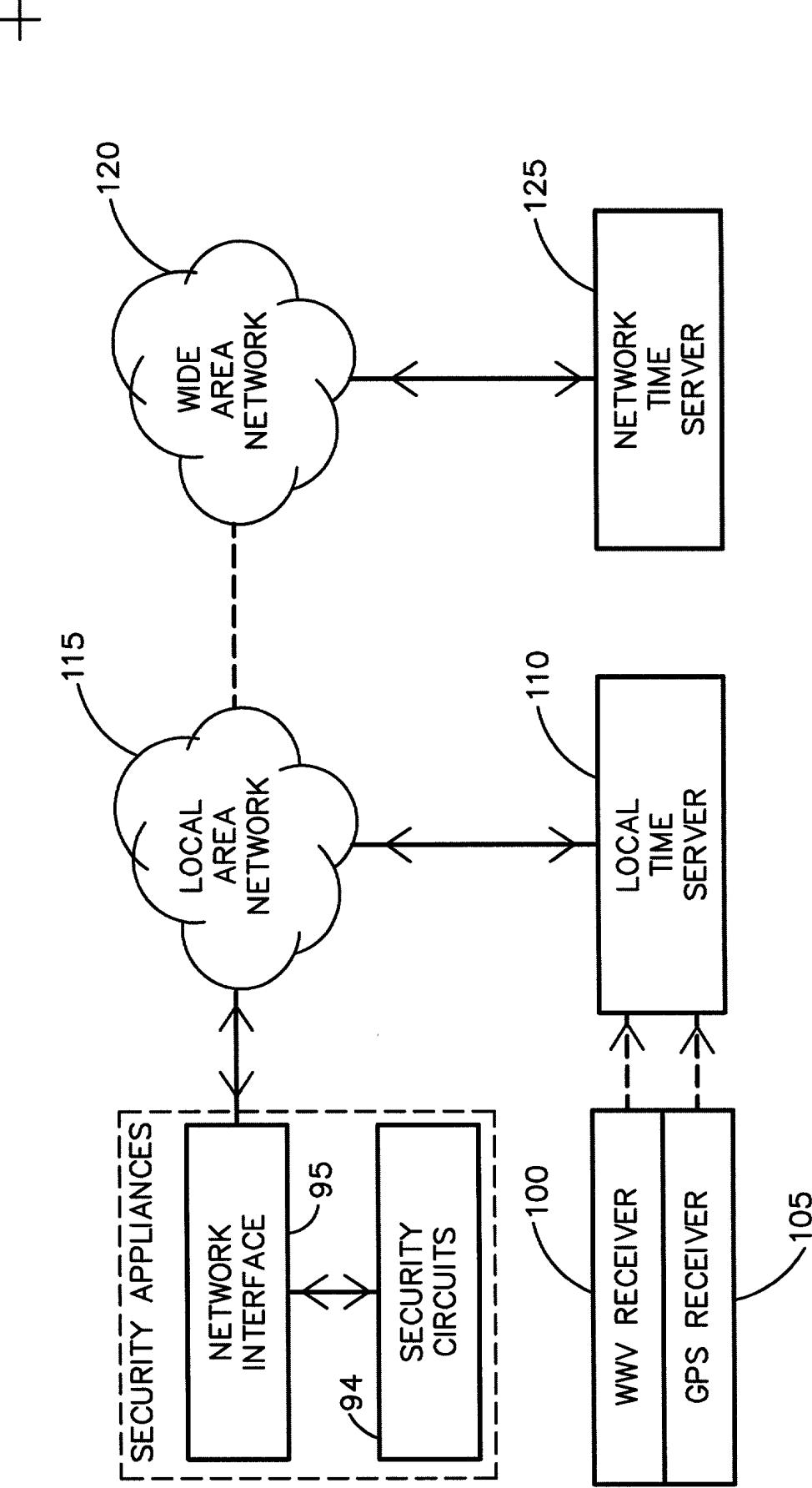


FIG. 3

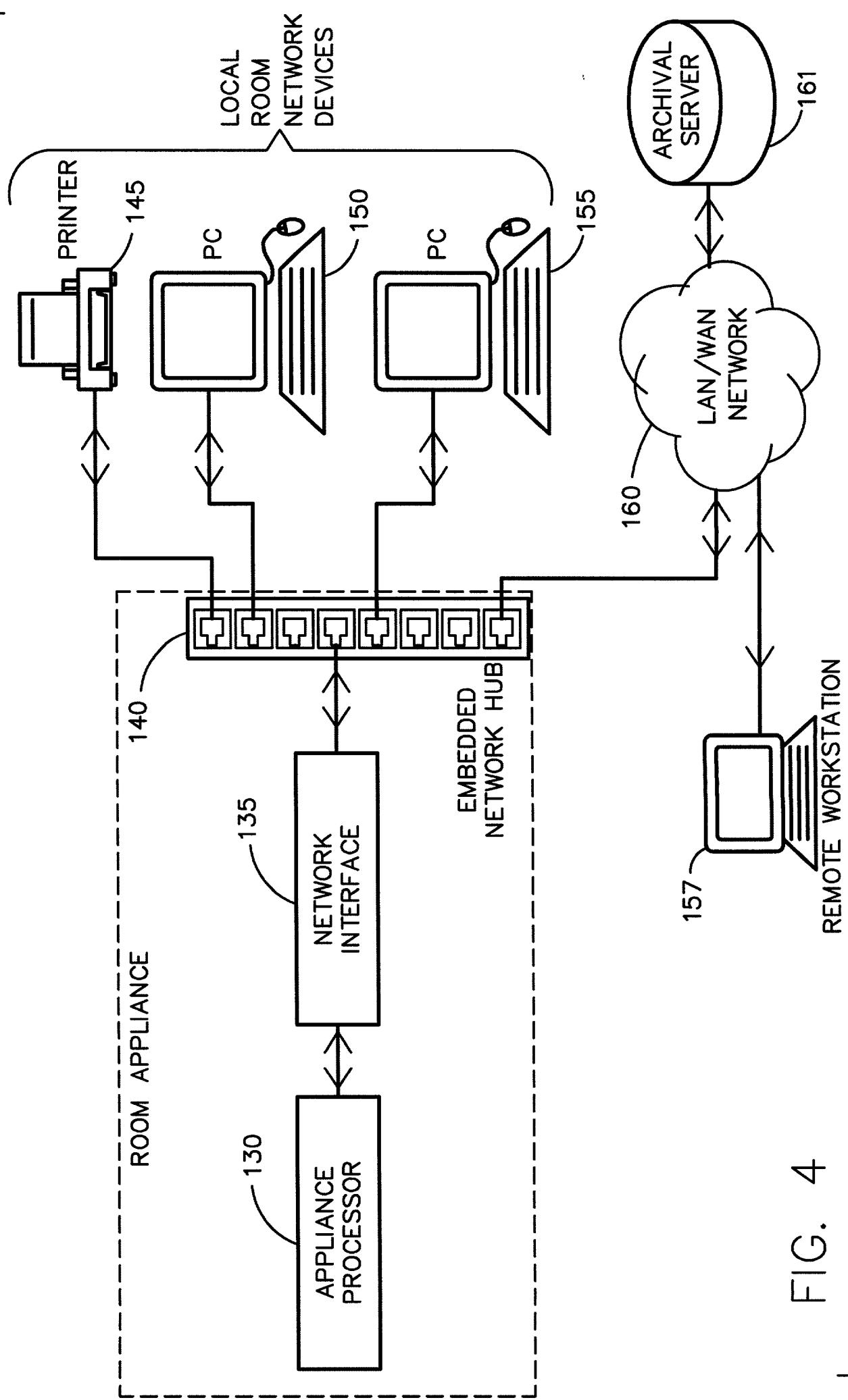


FIG. 4

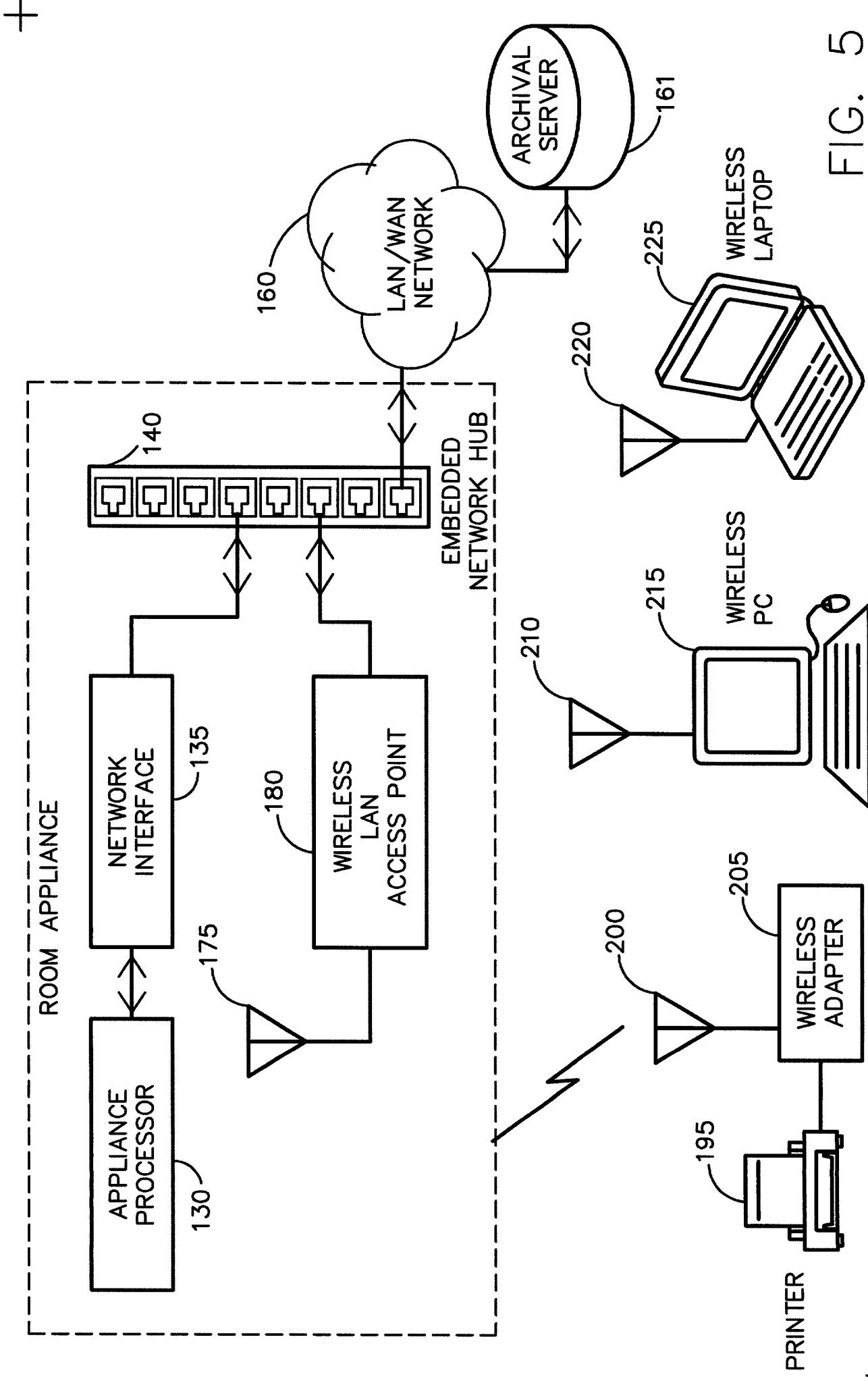


FIG. 5

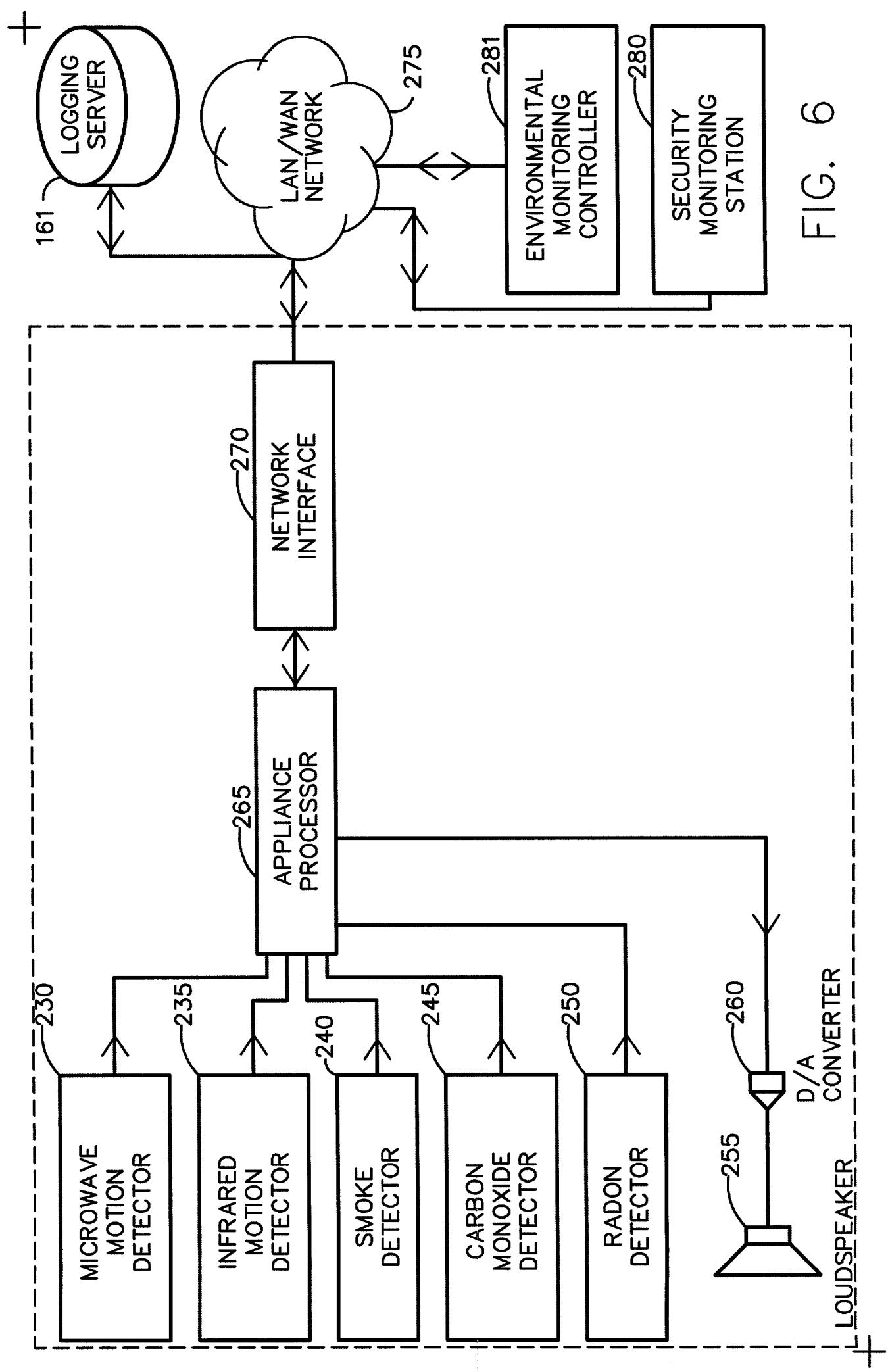


FIG. 6

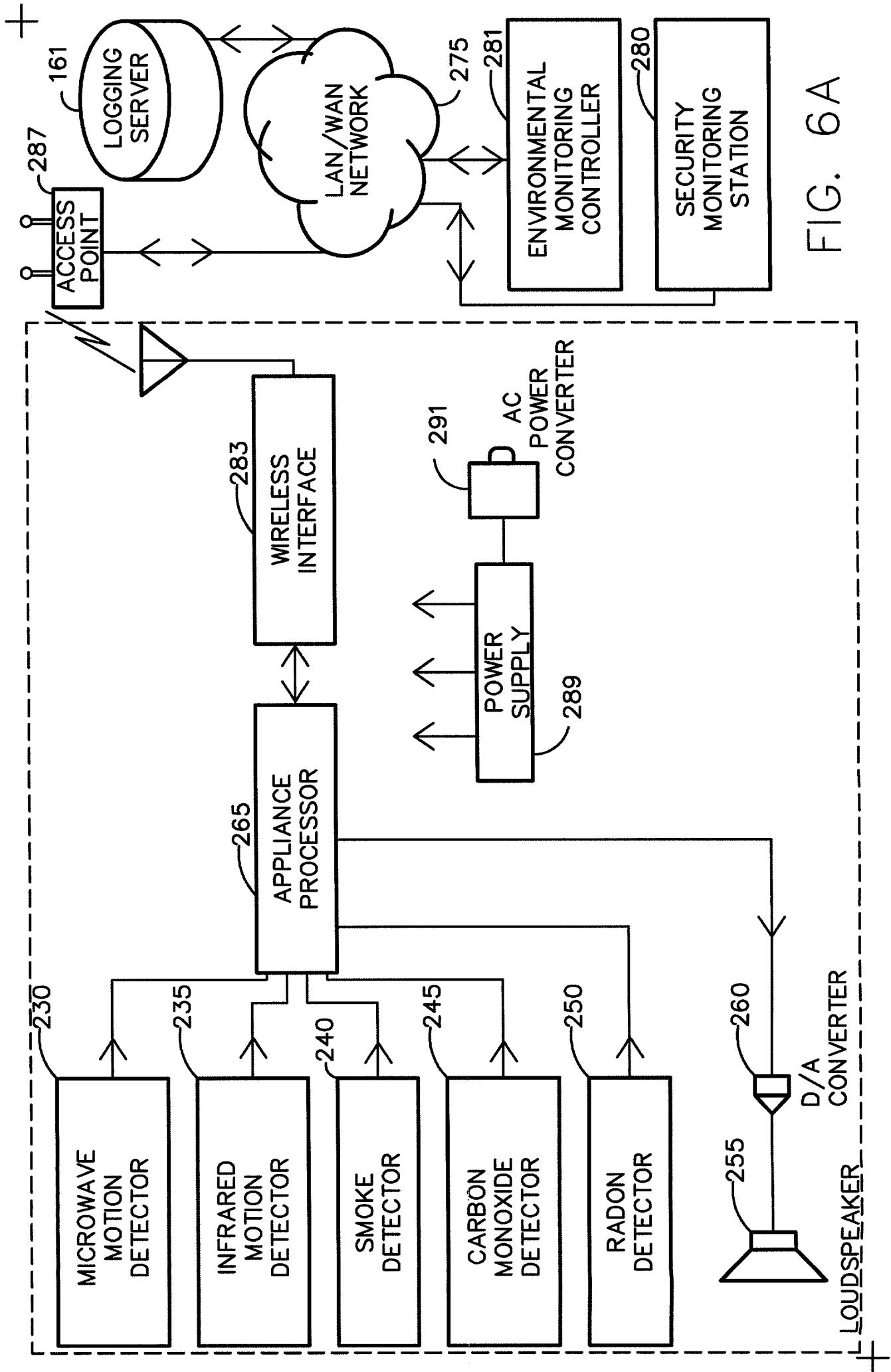


FIG. 6A

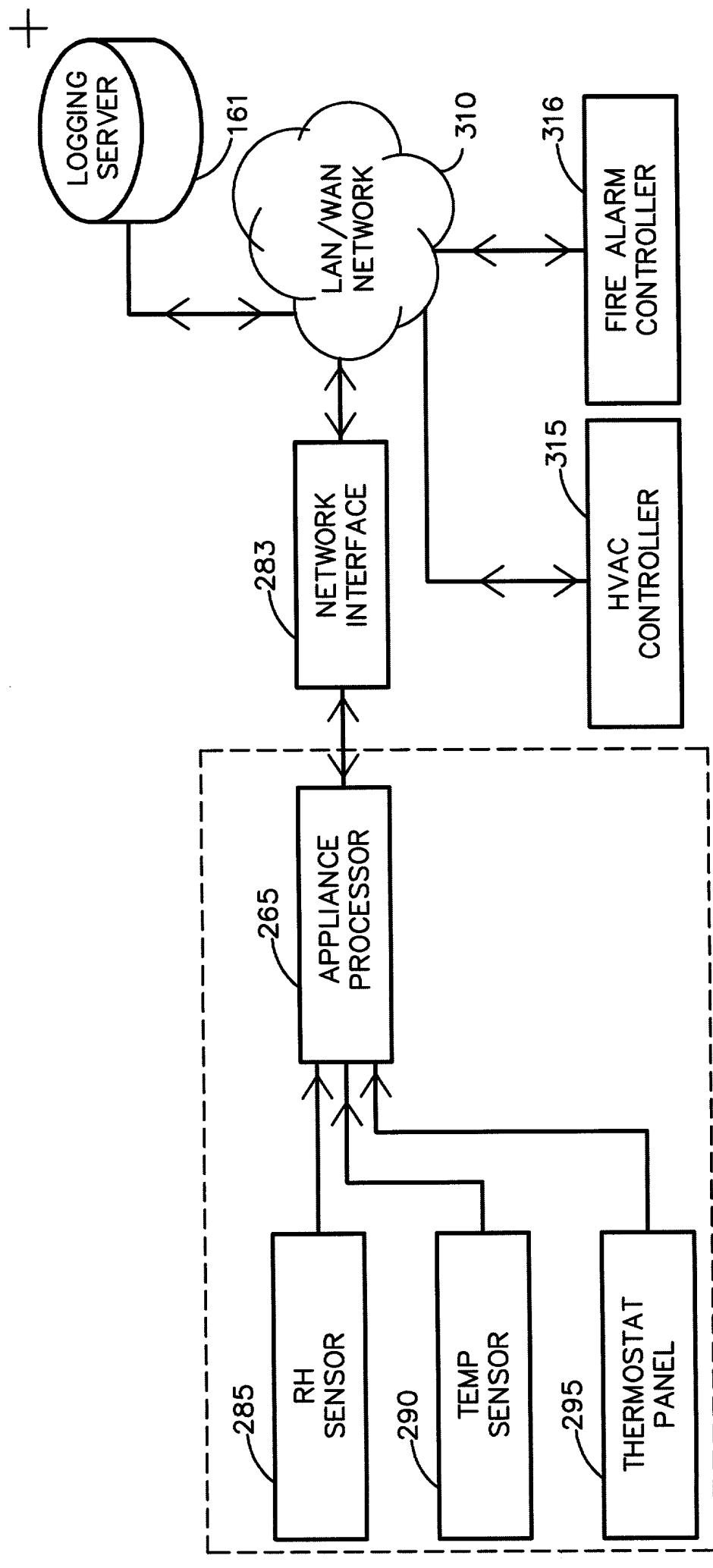


FIG. 7

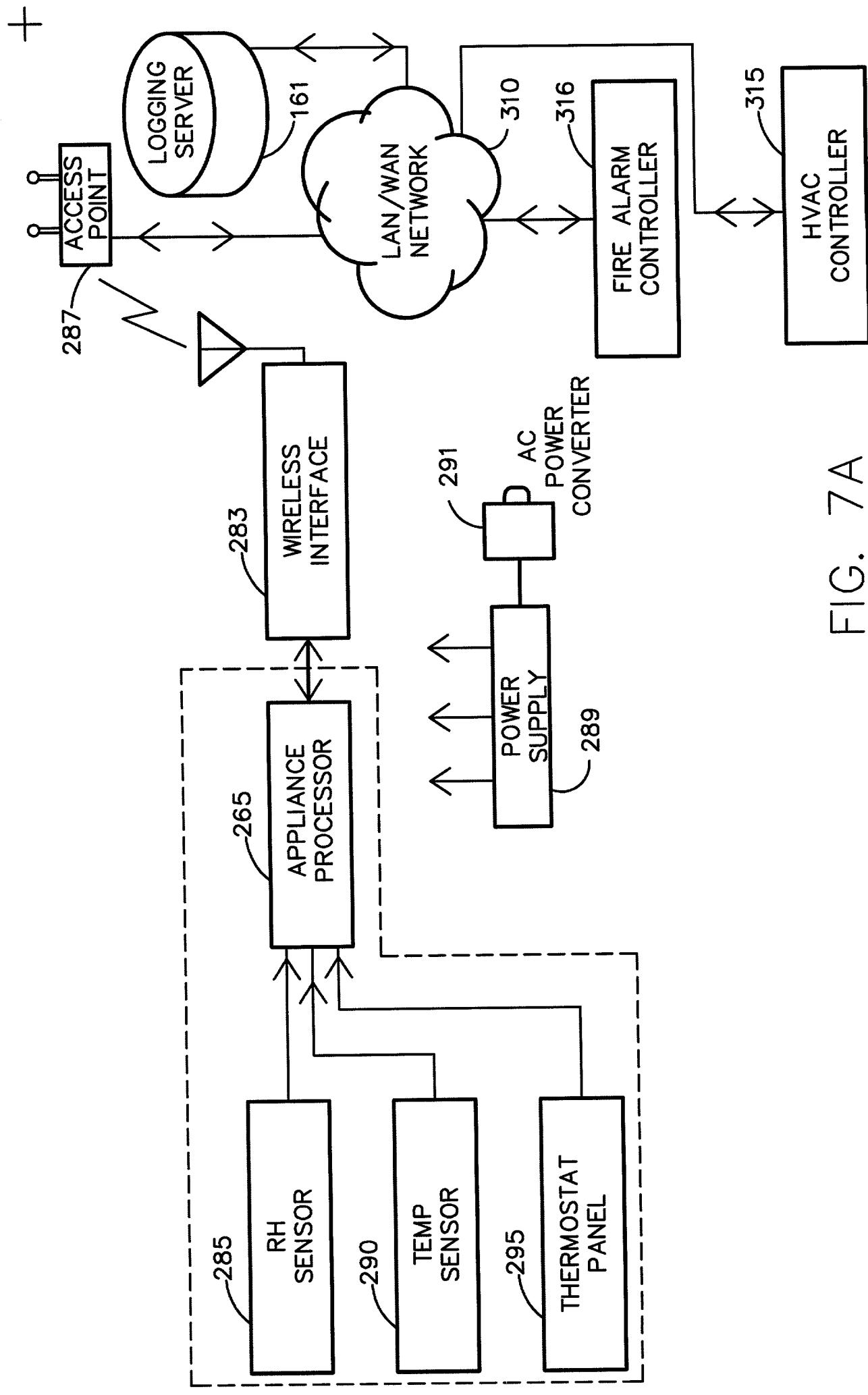


FIG. 7A

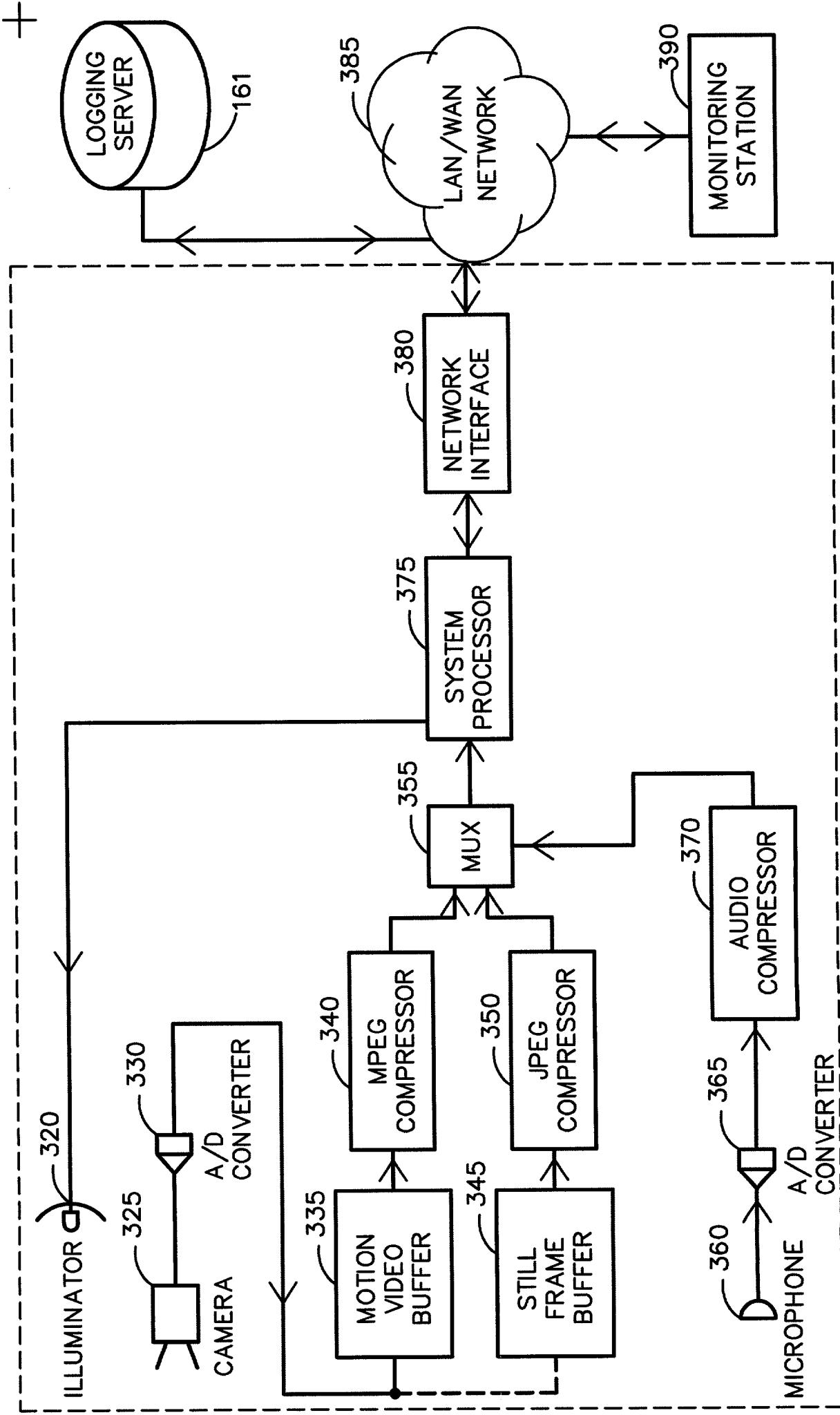


FIG. 8

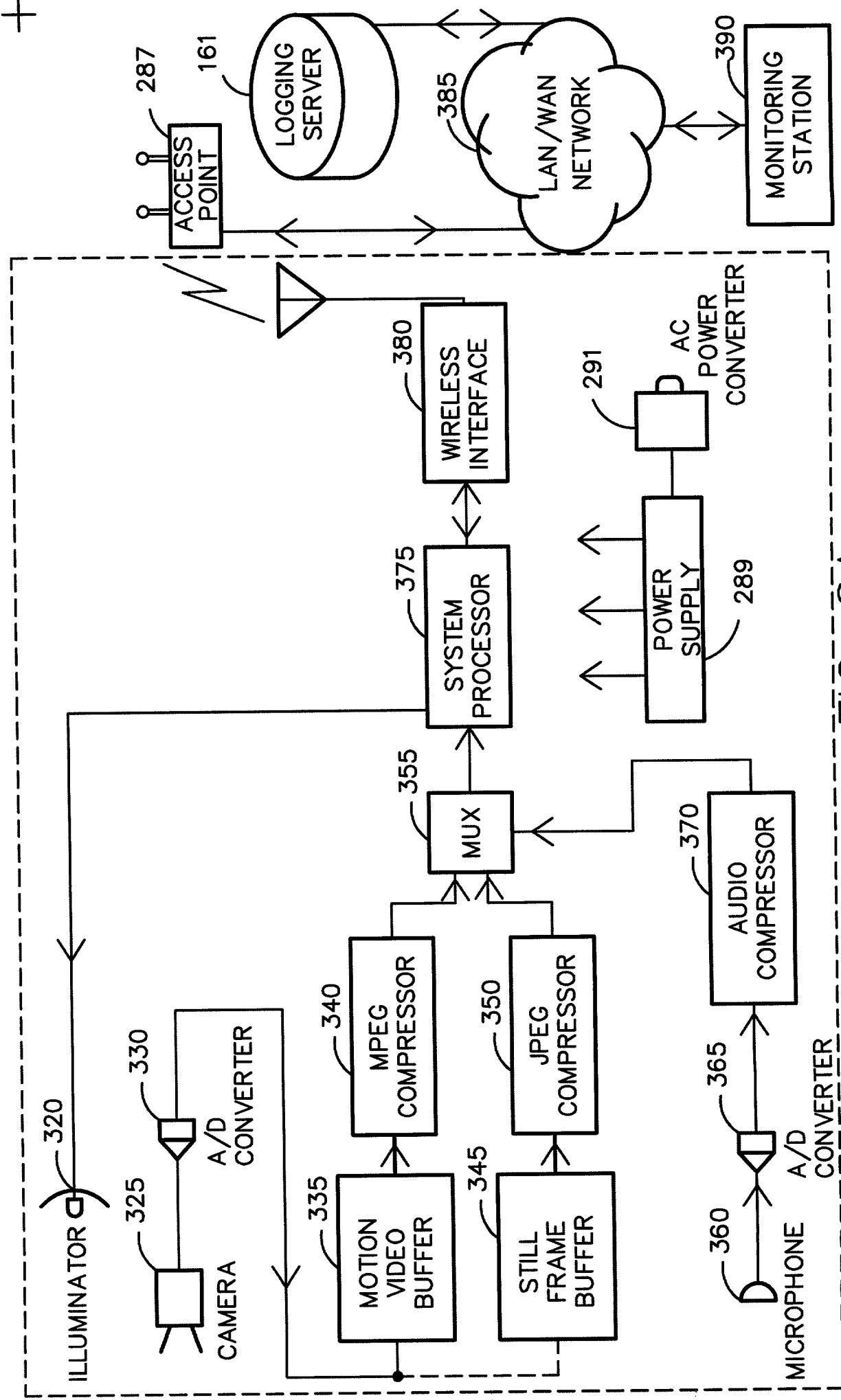


FIG. 8A

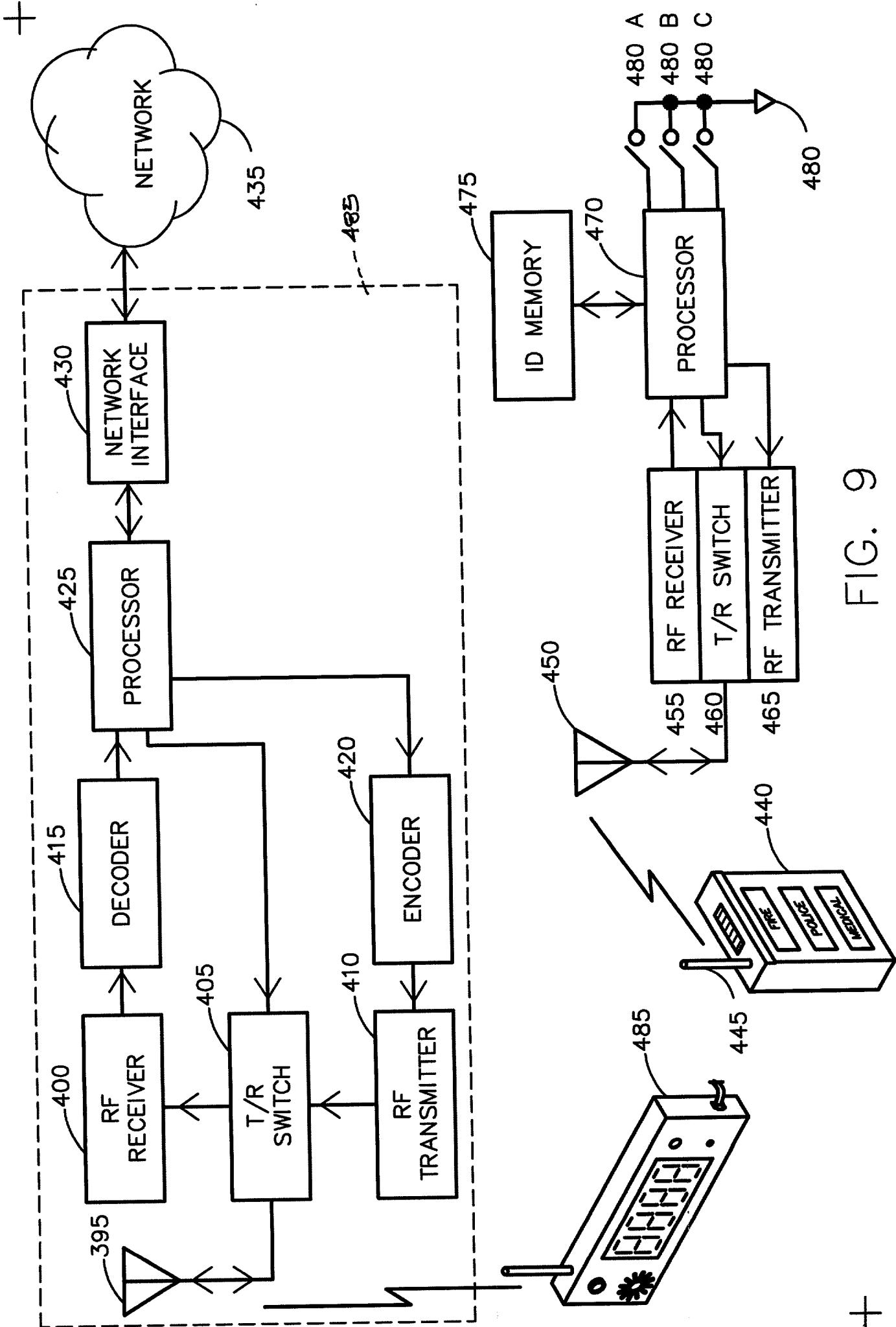


FIG. 9

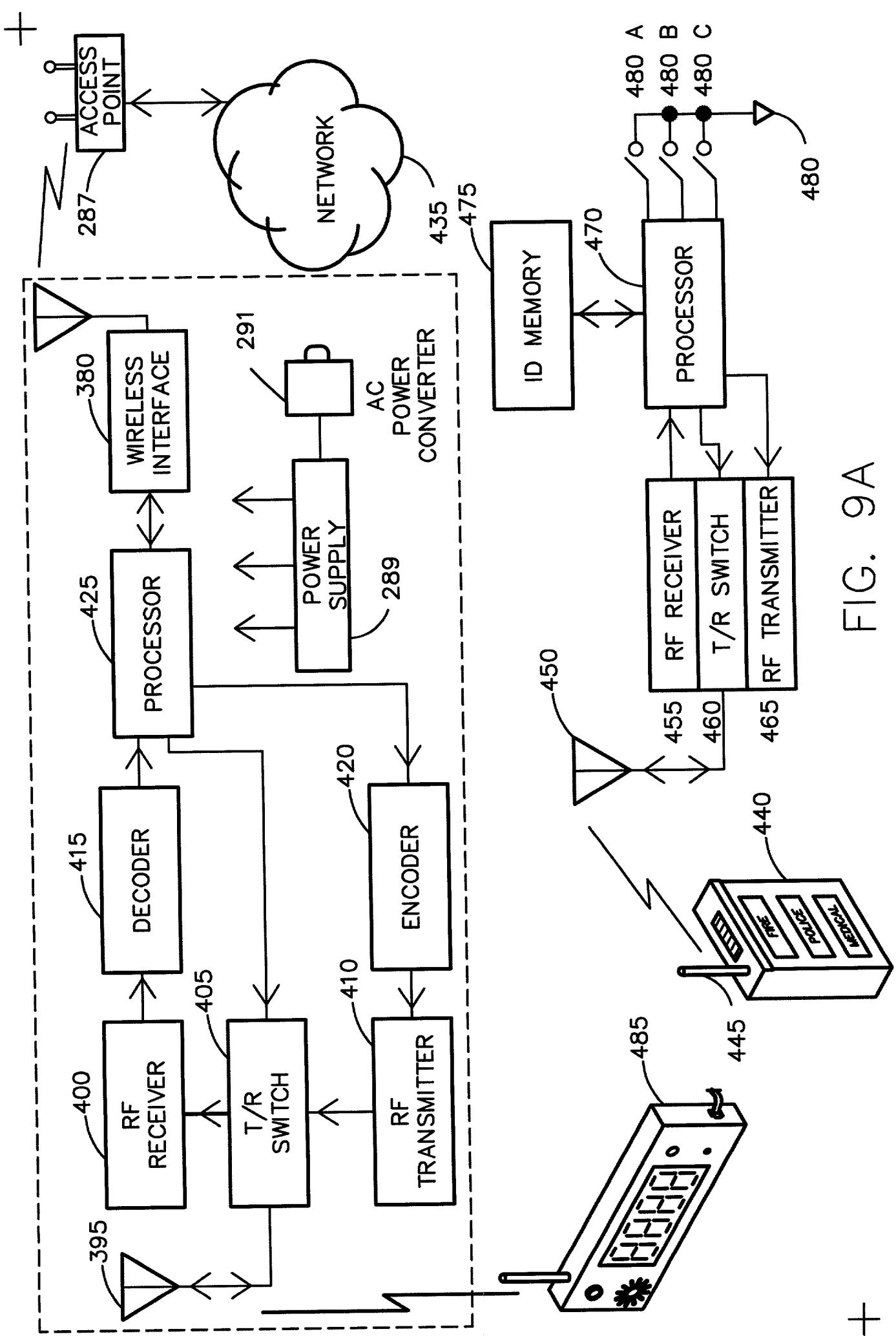


FIG. 9A

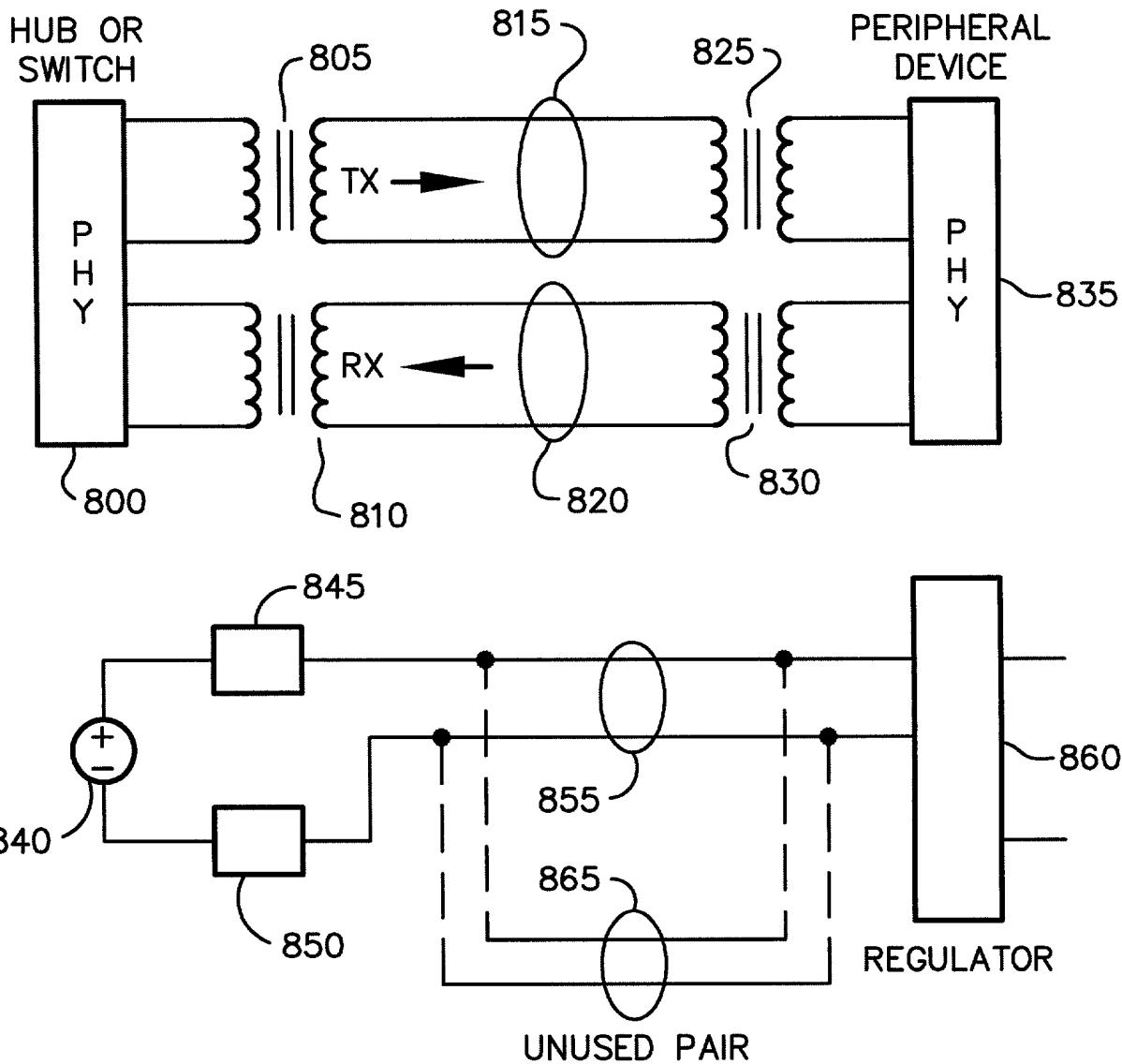


FIG. 10

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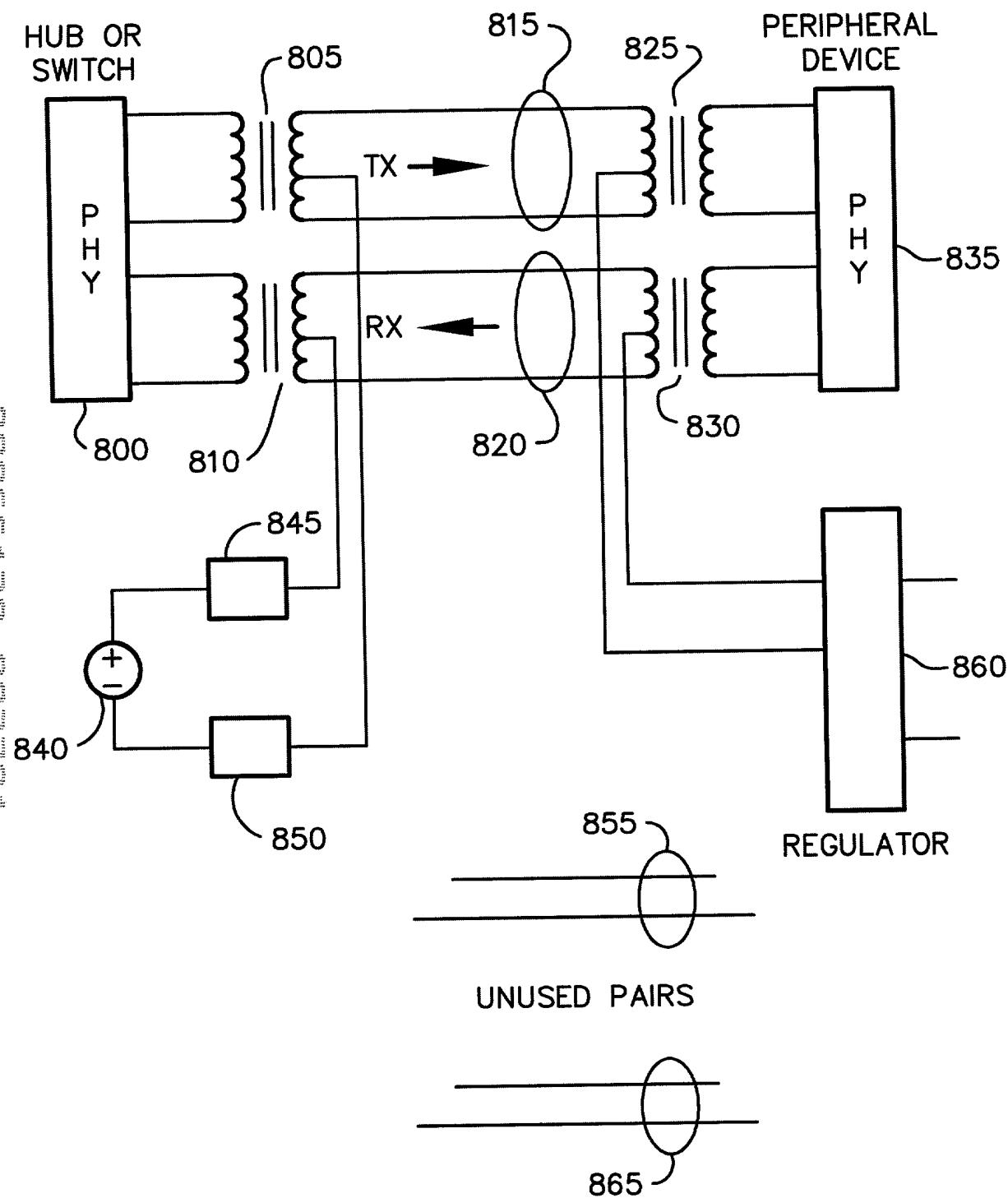


FIG. 11

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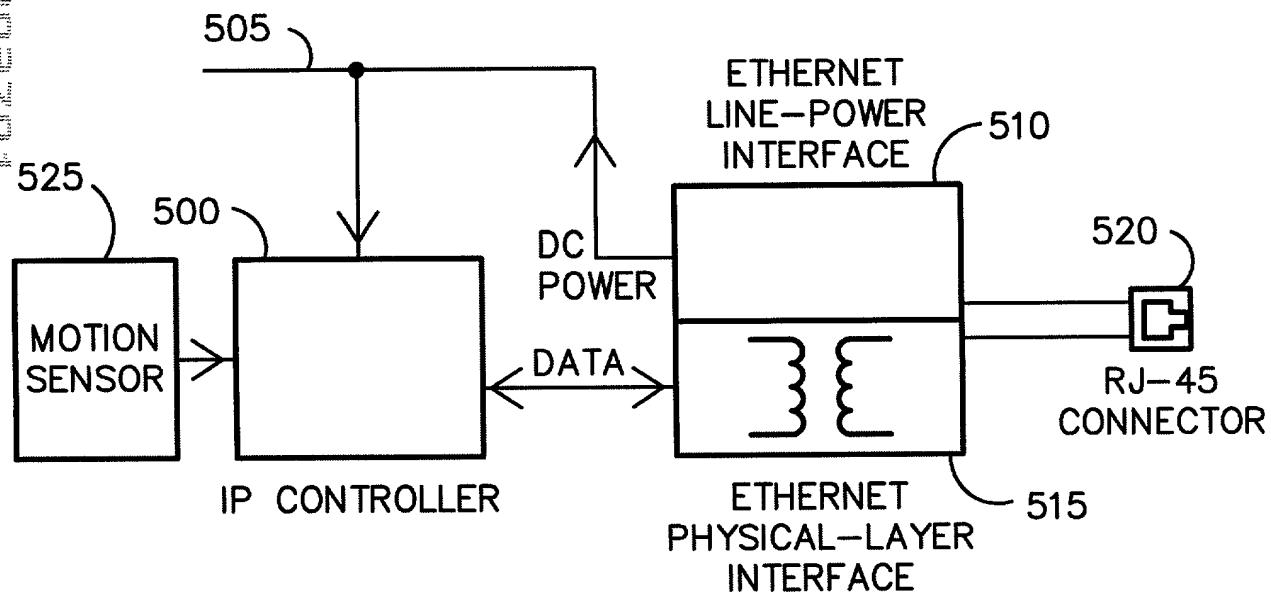
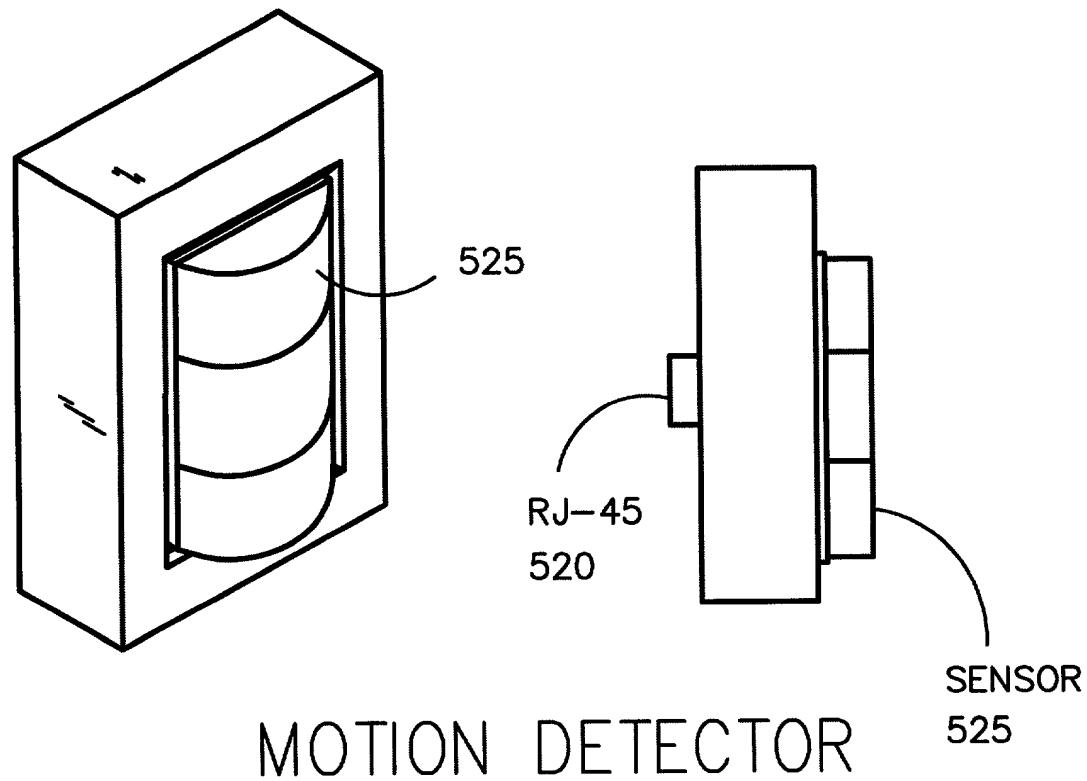
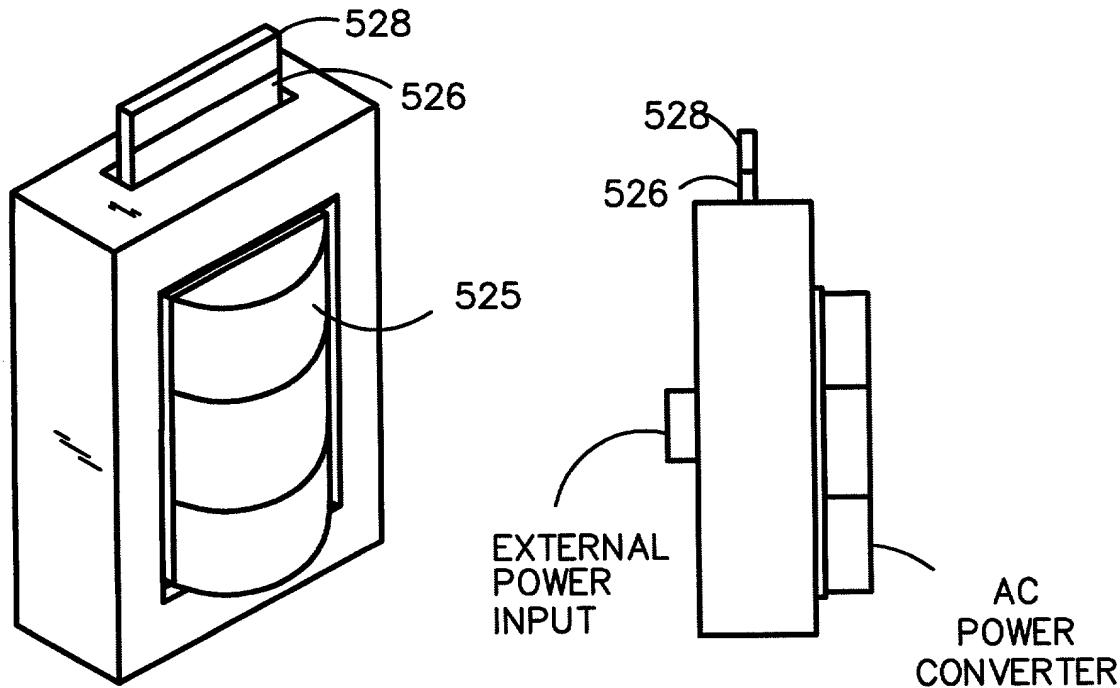


FIG. 12



MOTION DETECTOR

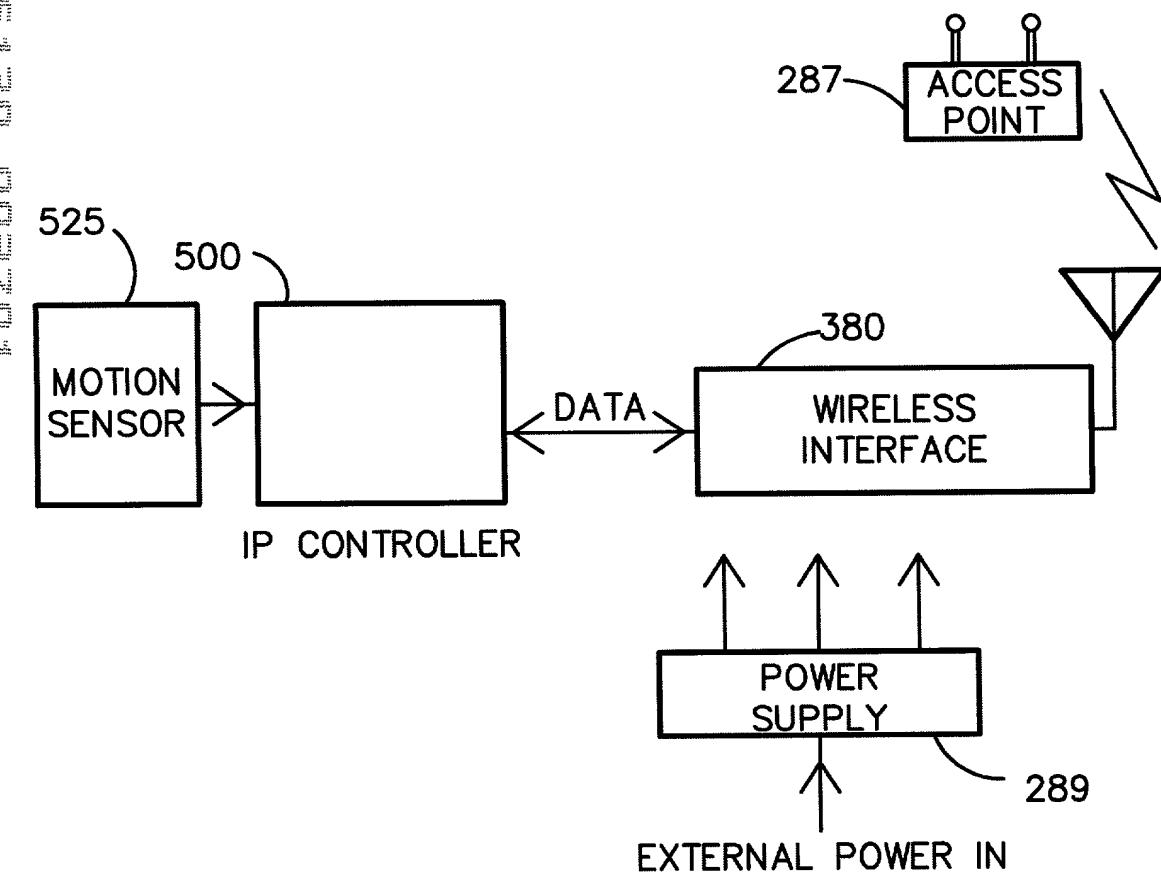
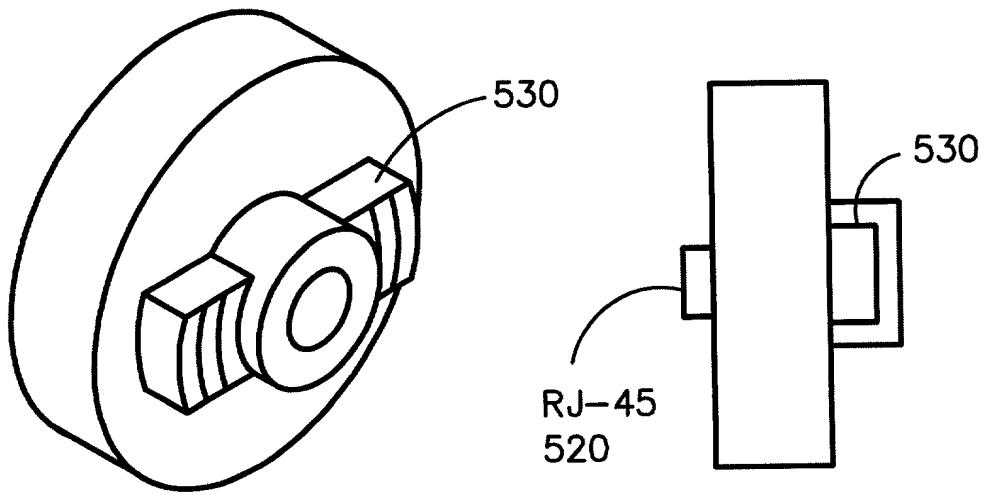


FIG. 12A

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SMOKE DETECTOR OR SMOKE & TEMP DETECTOR

T002650 "006799660

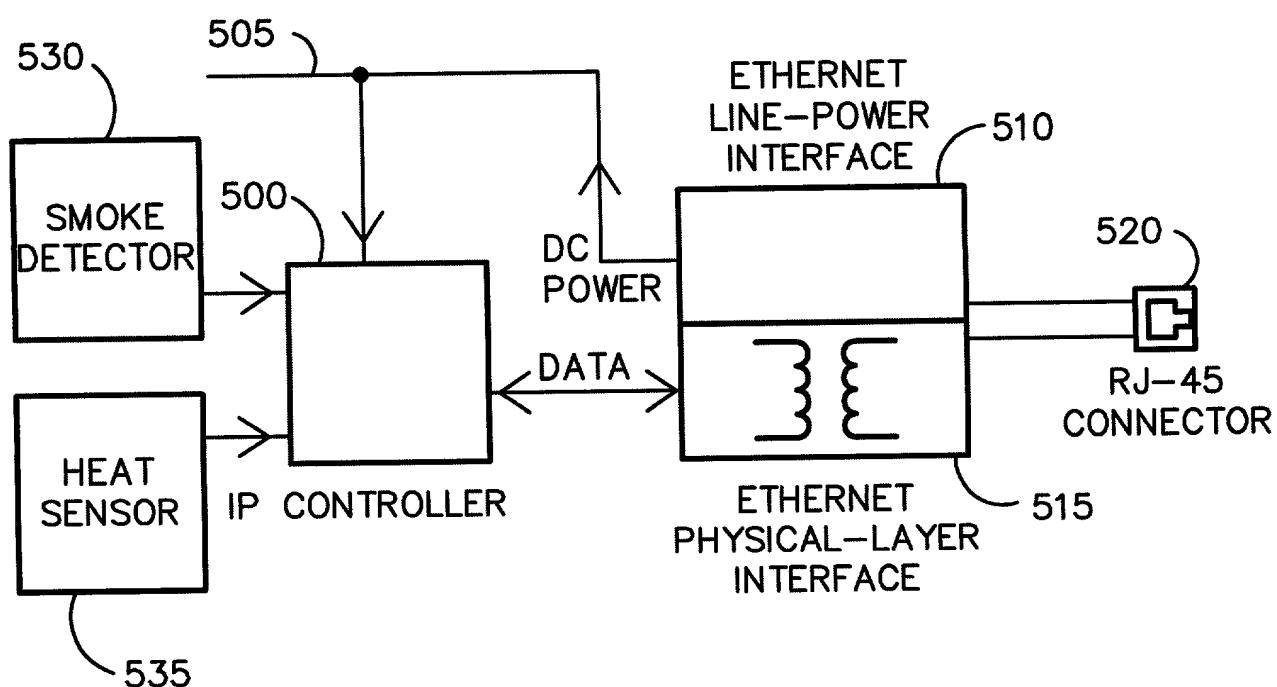
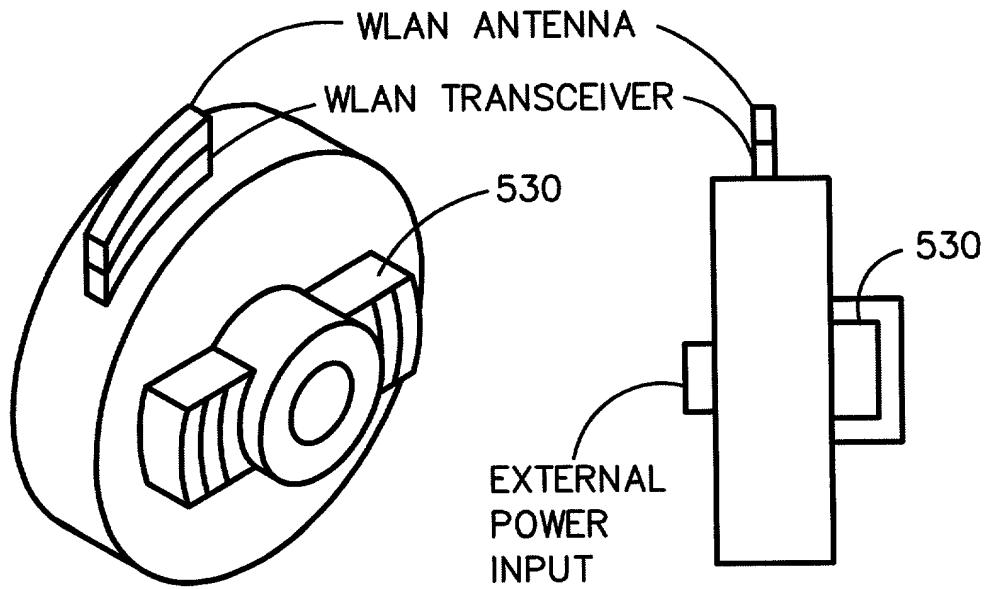


FIG. 13

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SMOKE DETECTOR OR SMOKE & TEMP DETECTOR

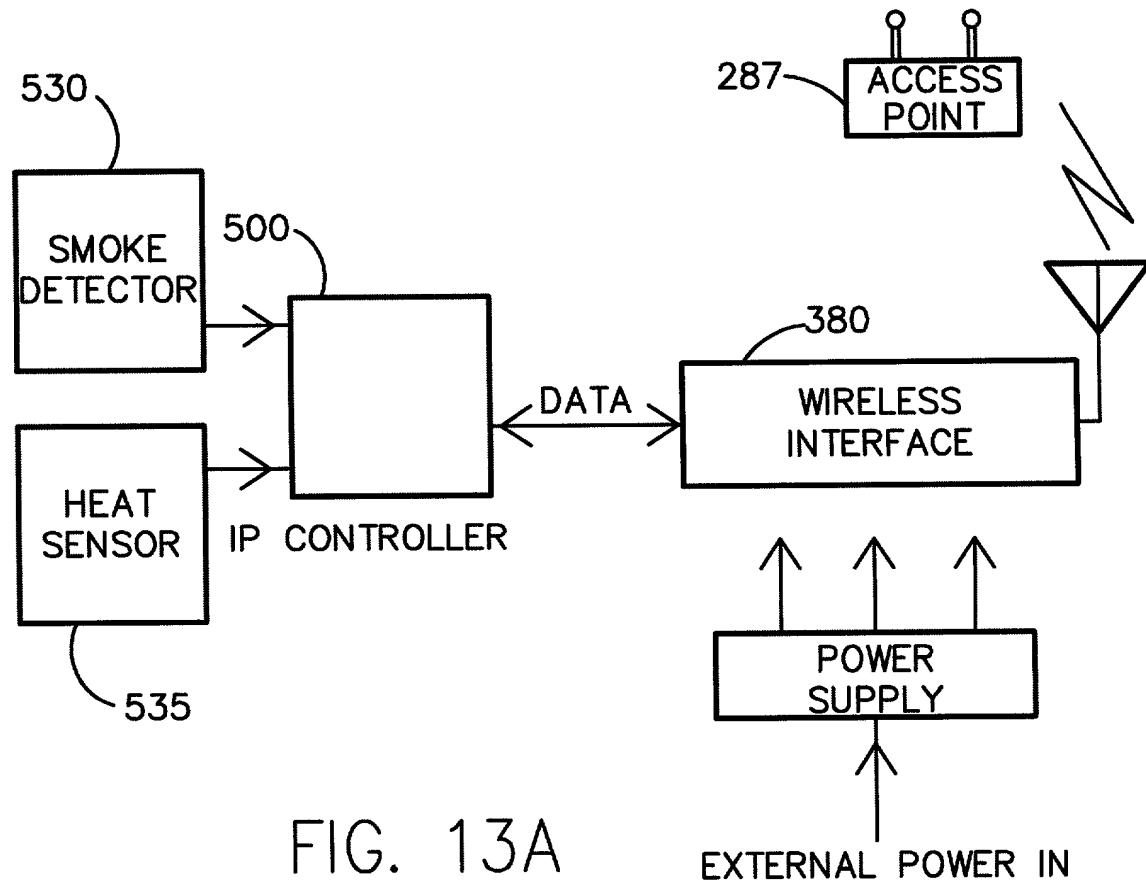
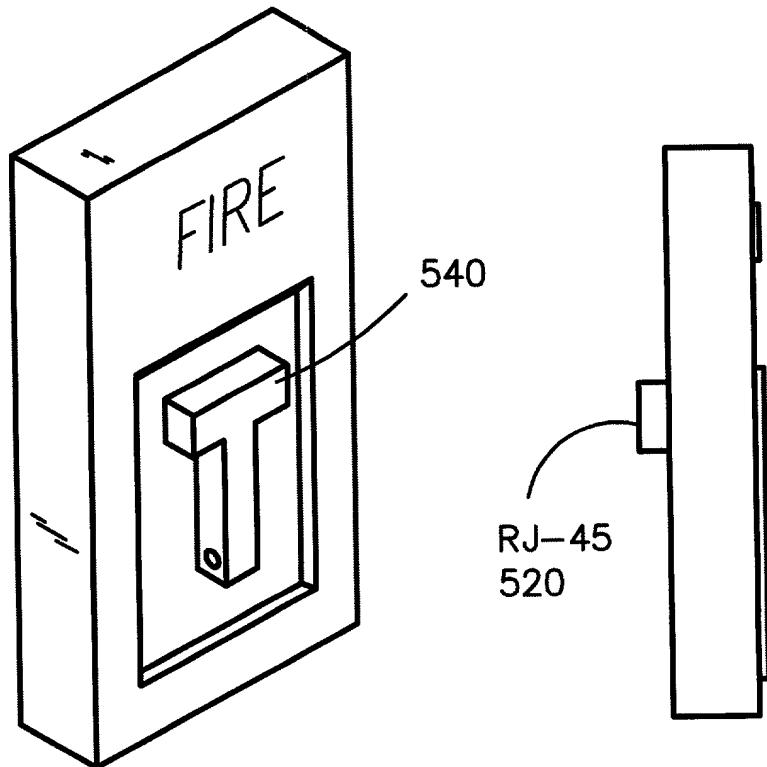


FIG. 13A



PULL HANDLE

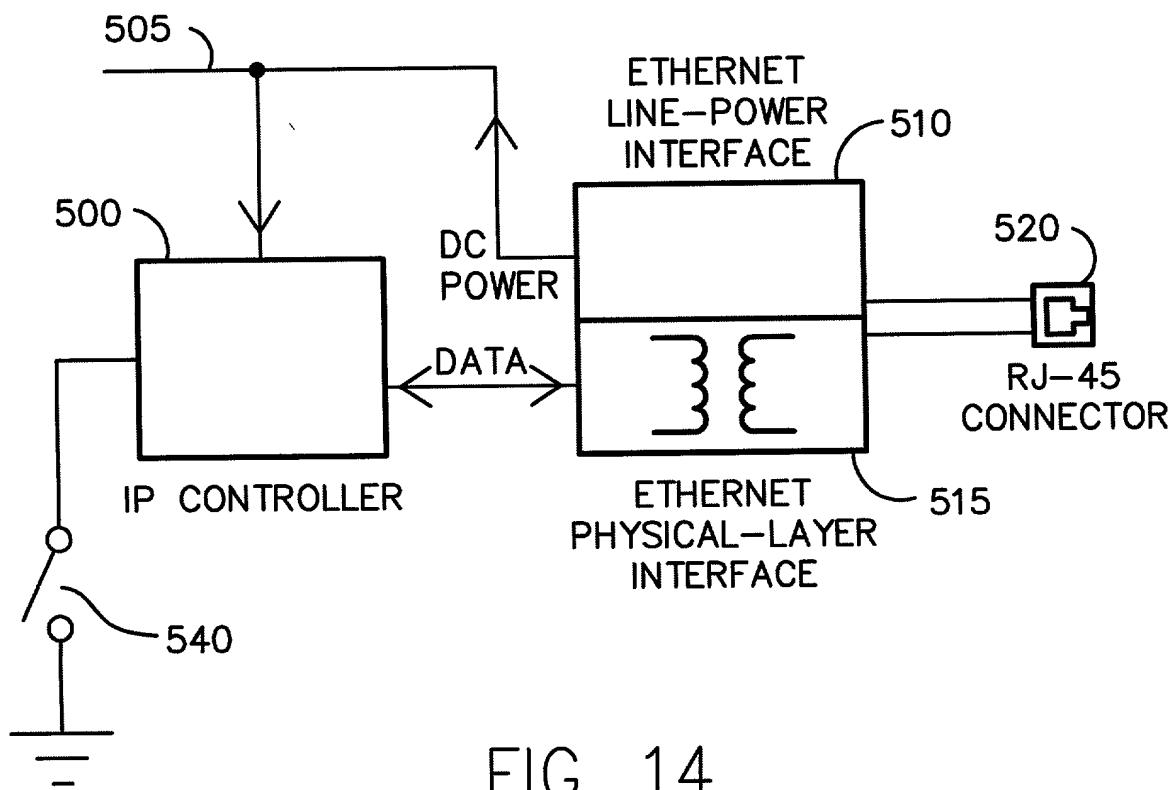
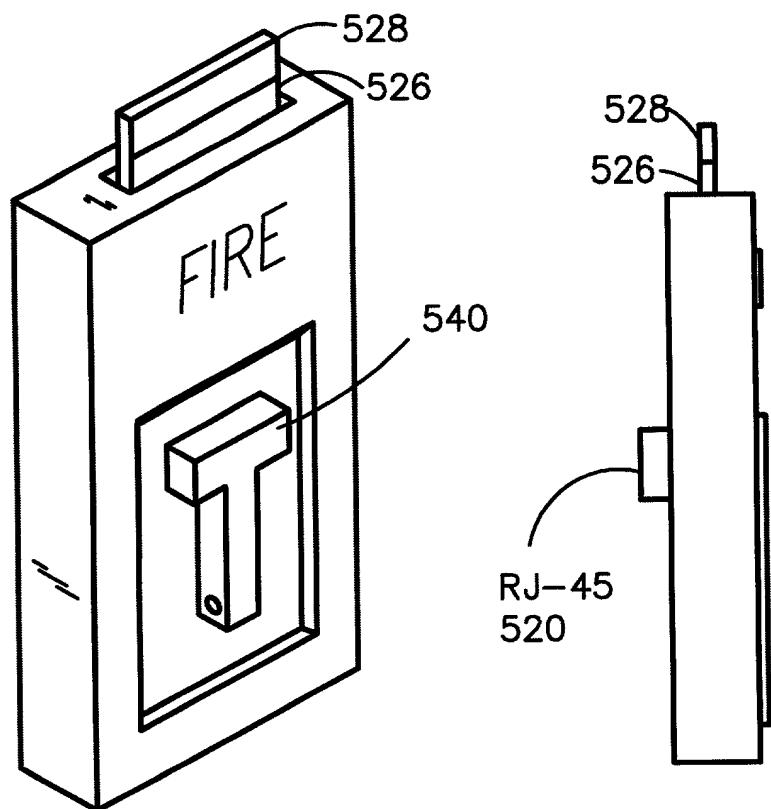


FIG. 14



PULL HANDLE

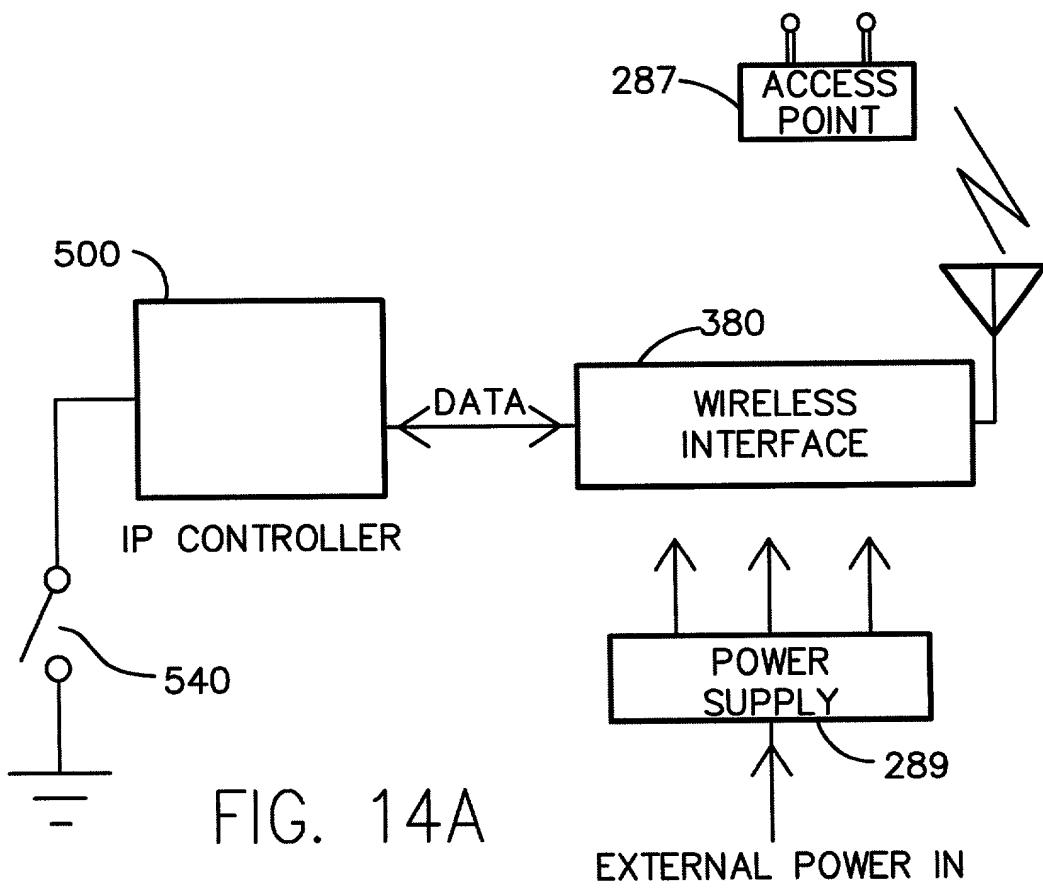
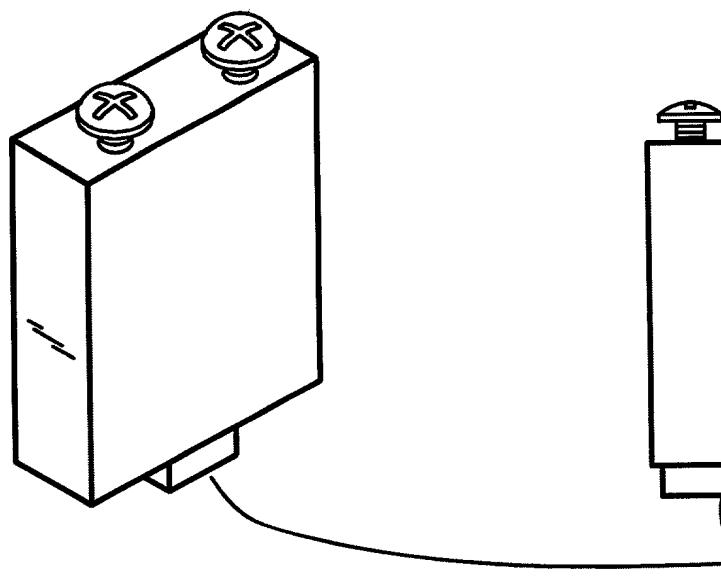
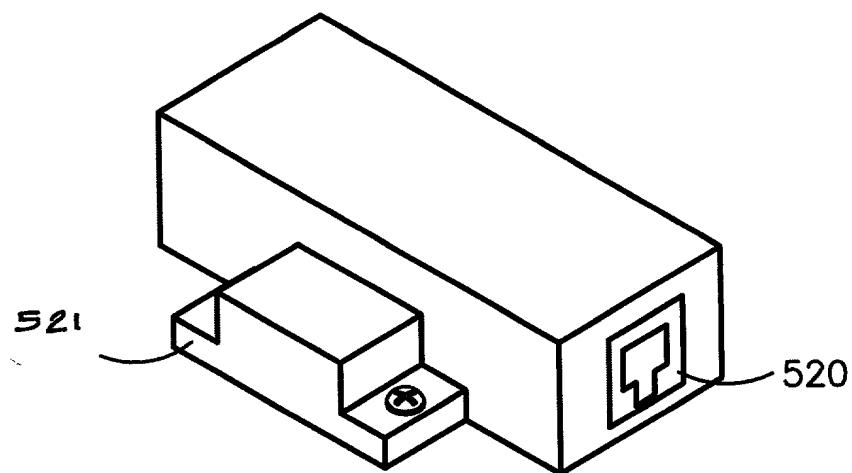


FIG. 14A

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EXTERNAL CONTACT INTERFACE



INTERNAL CONTACT INTERFACE

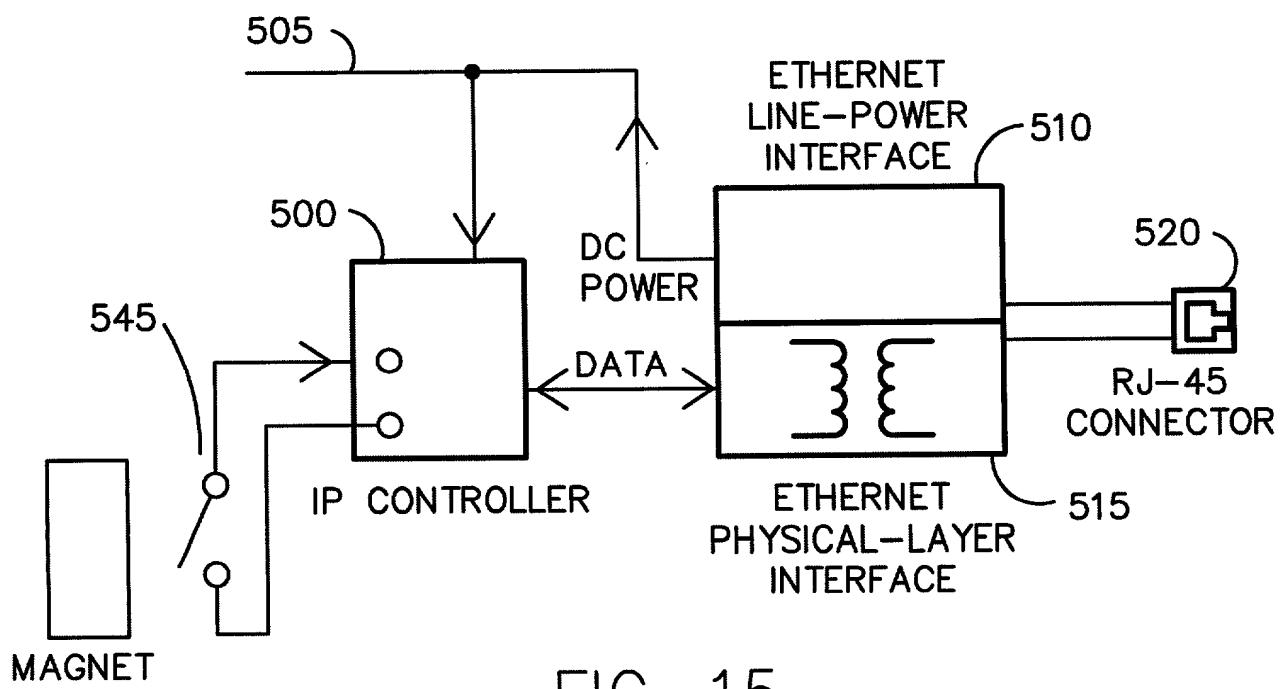
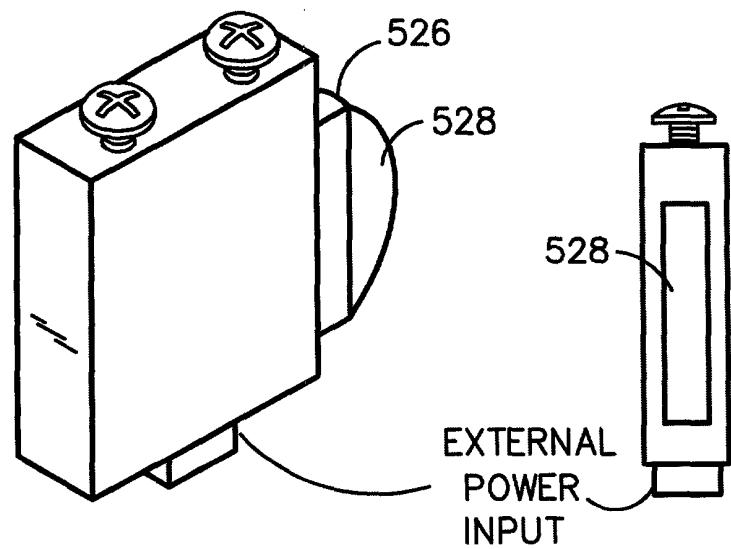
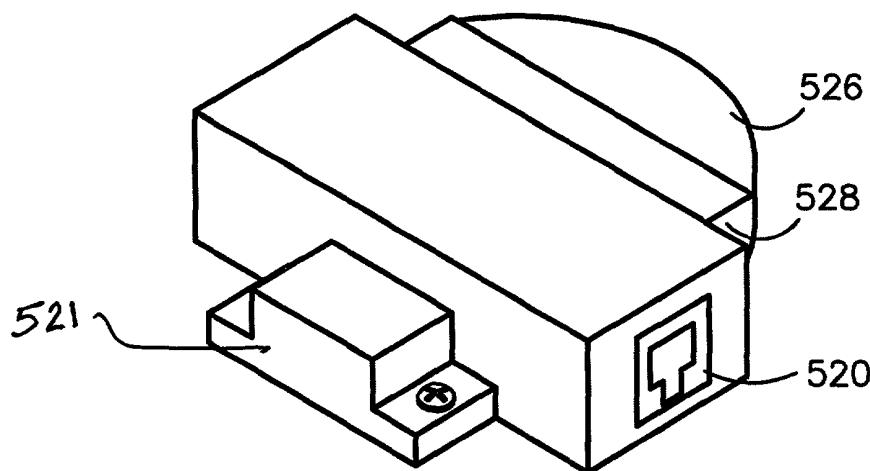


FIG. 15

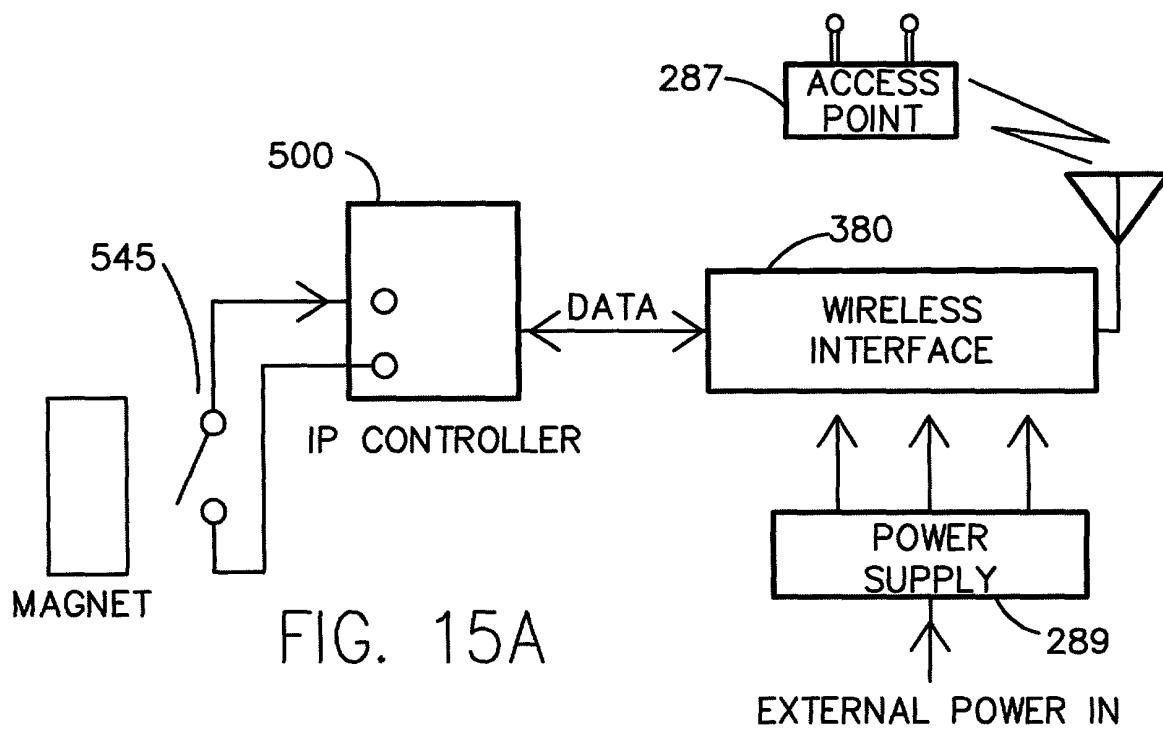
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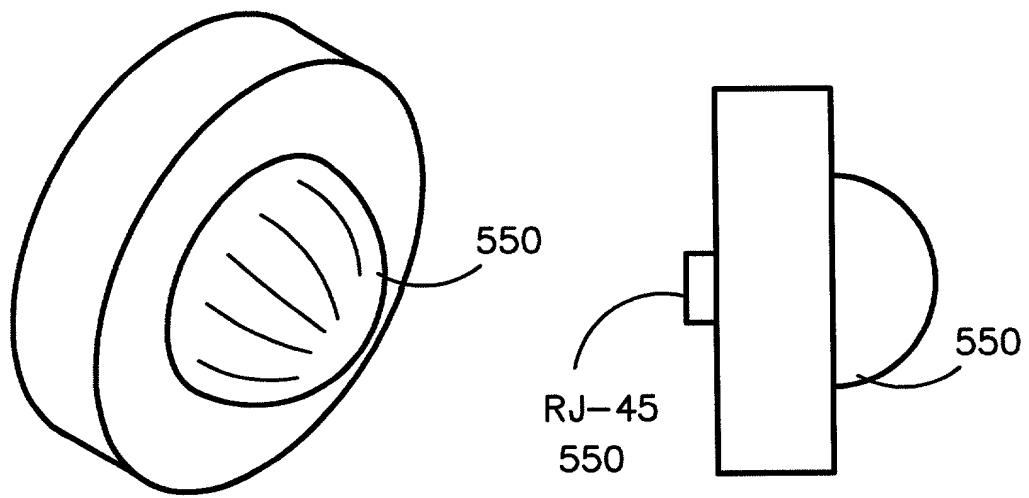


EXTERNAL CONTACT INTERFACE



INTERNAL CONTACT INTERFACE





HEAT SENSOR

TOXIC-GAS DETECTION

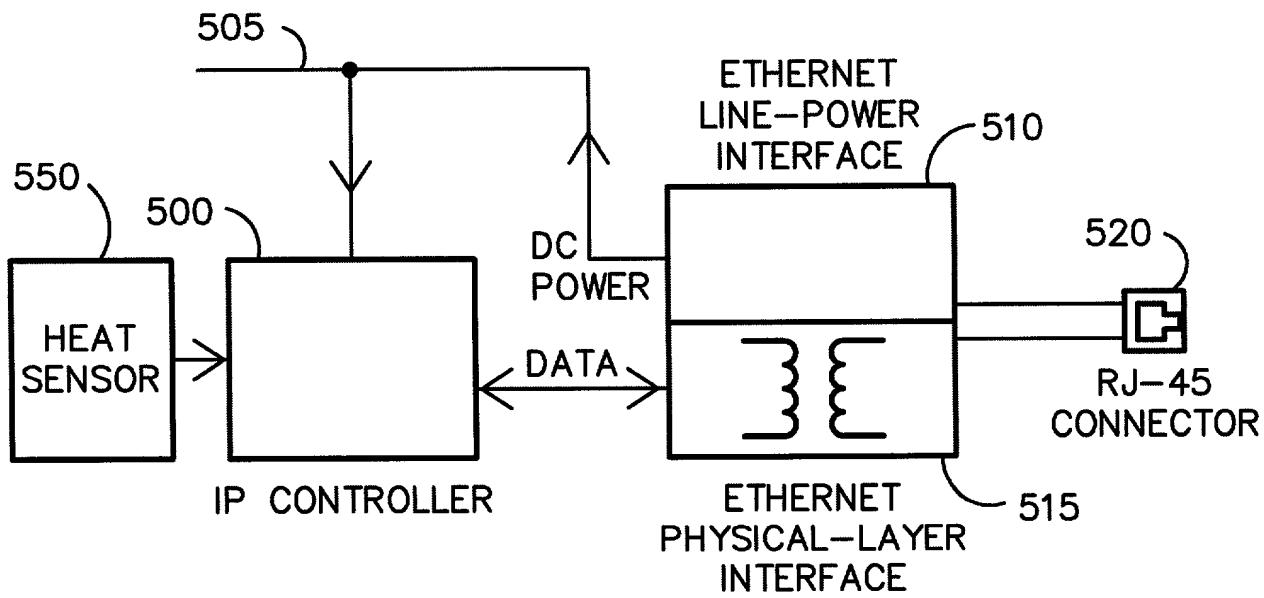
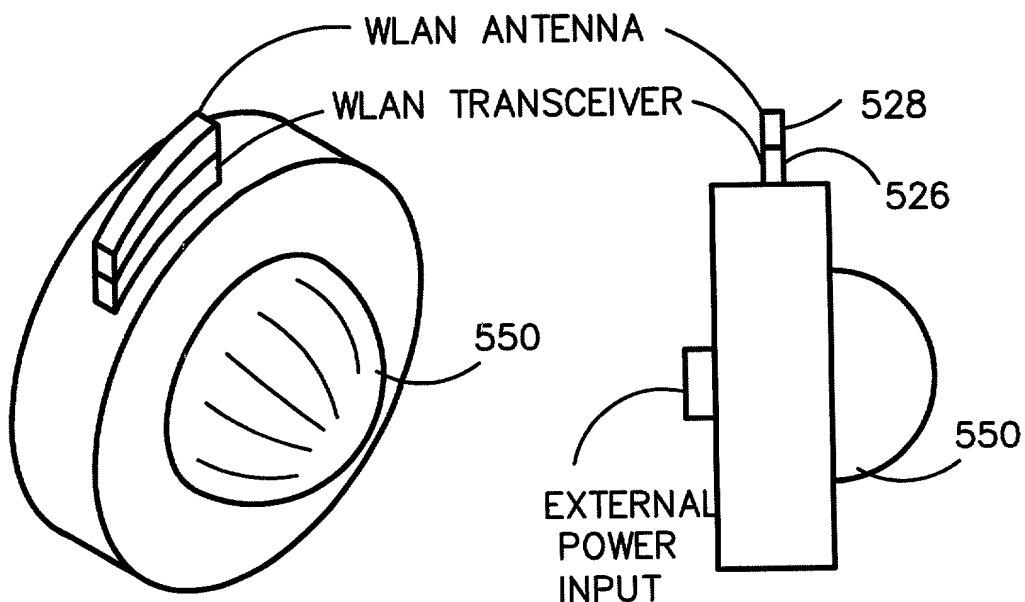


FIG. 16

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HEAT SENSOR

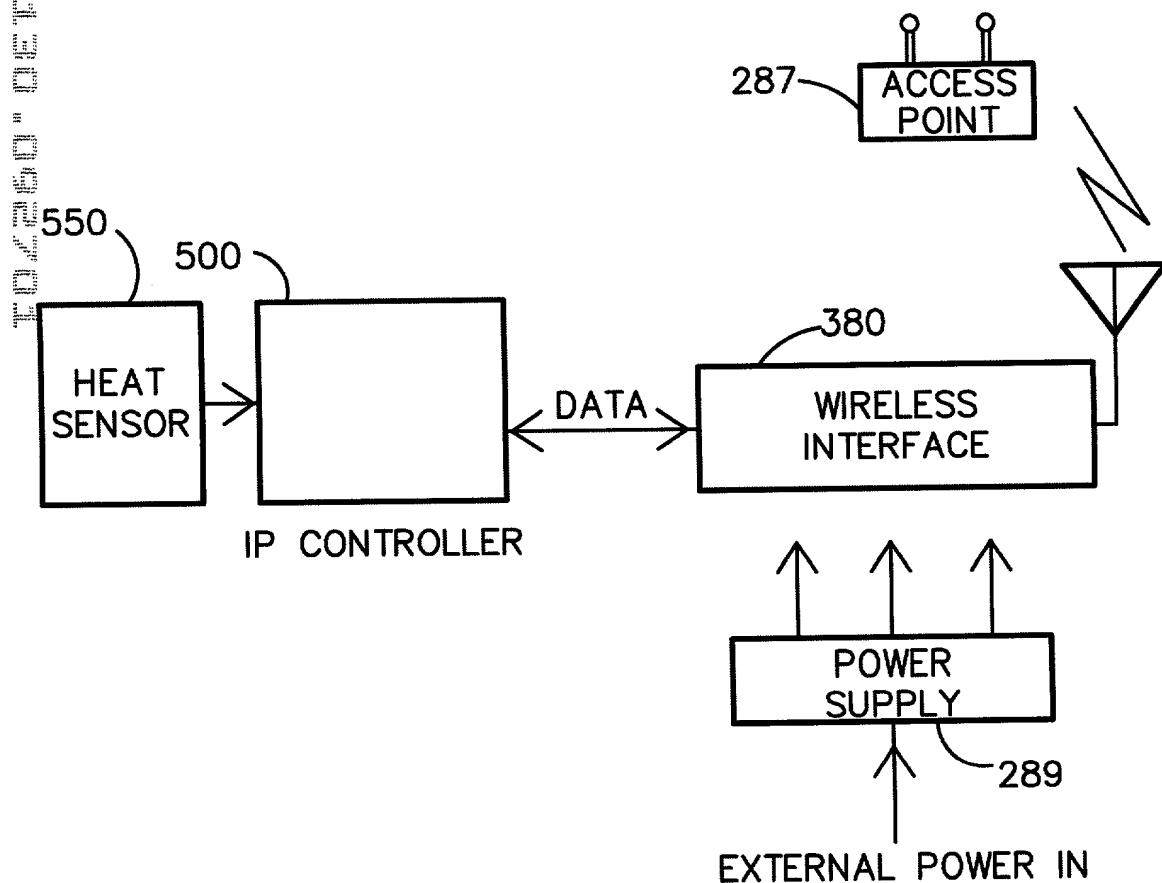
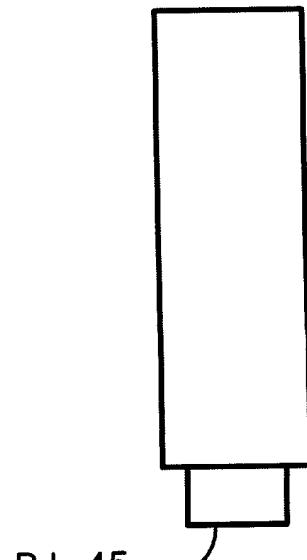
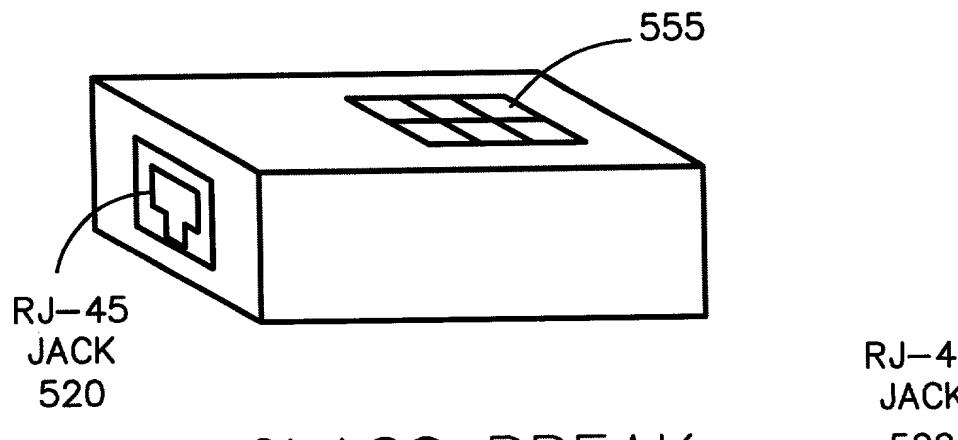


FIG. 16A

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TOP SECRET - DEFENSE

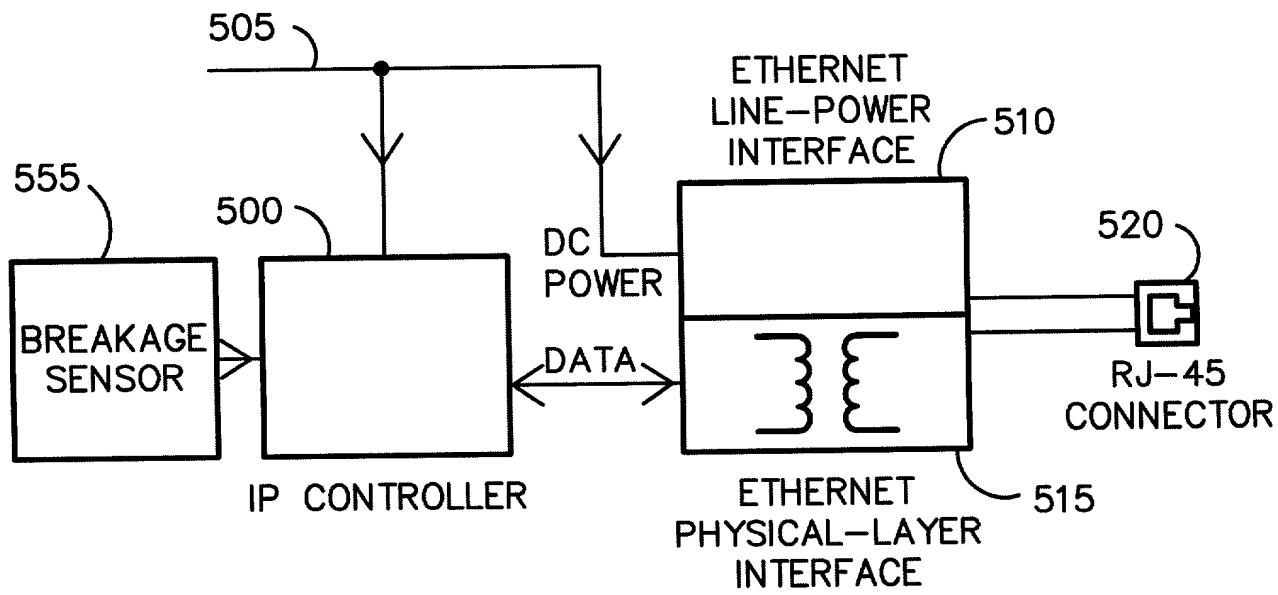


FIG. 17

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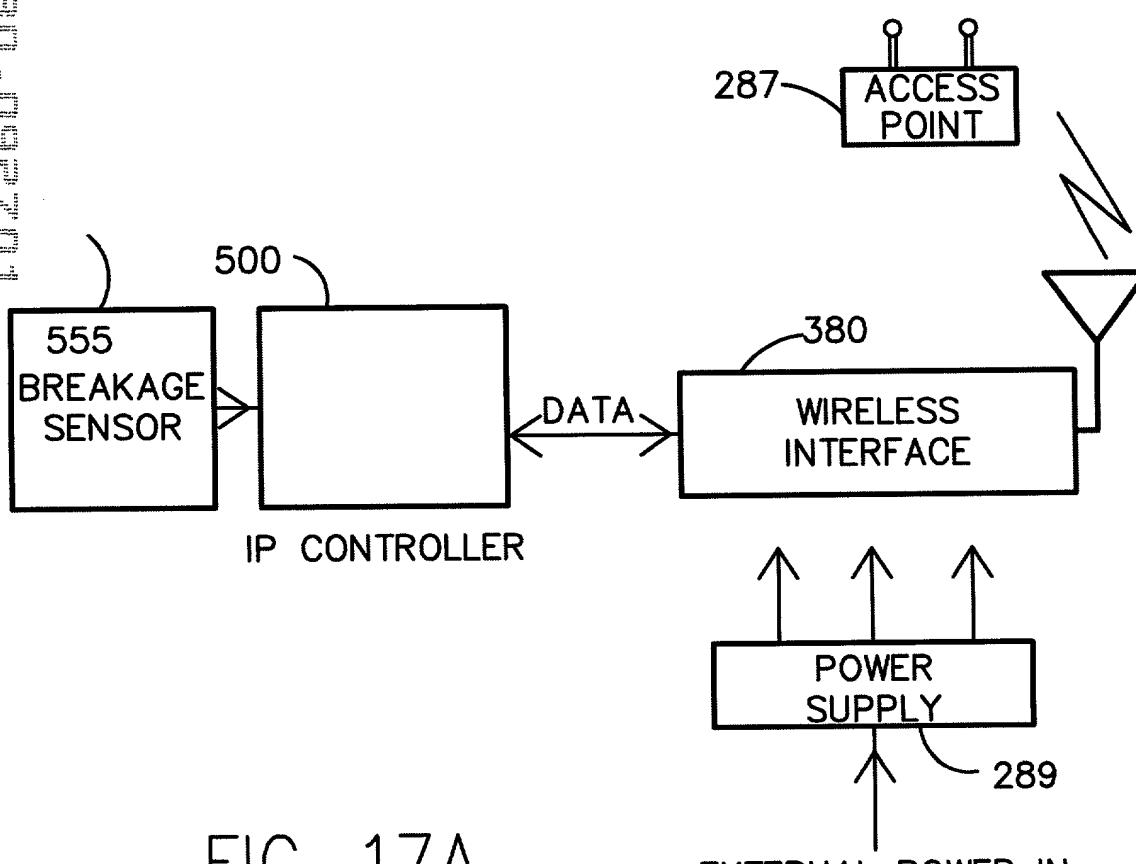
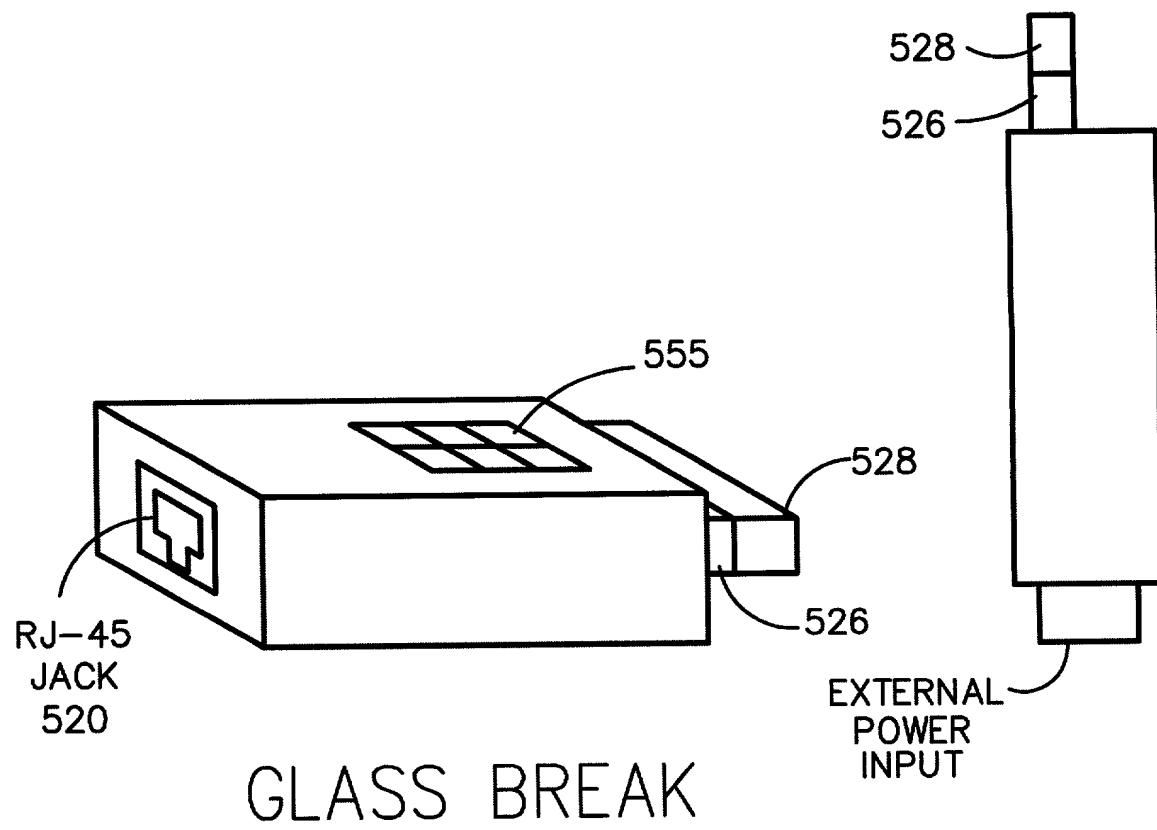
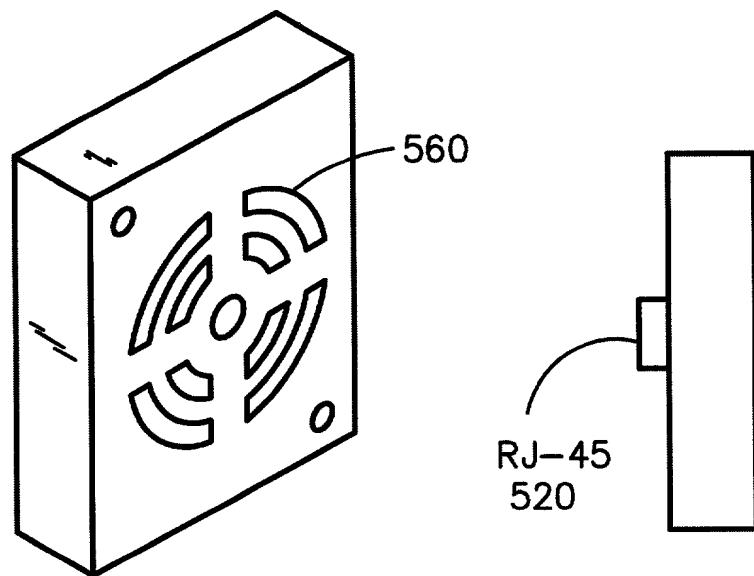


FIG. 17A

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SIREN

FIG. 18A "DETECTOR 560"

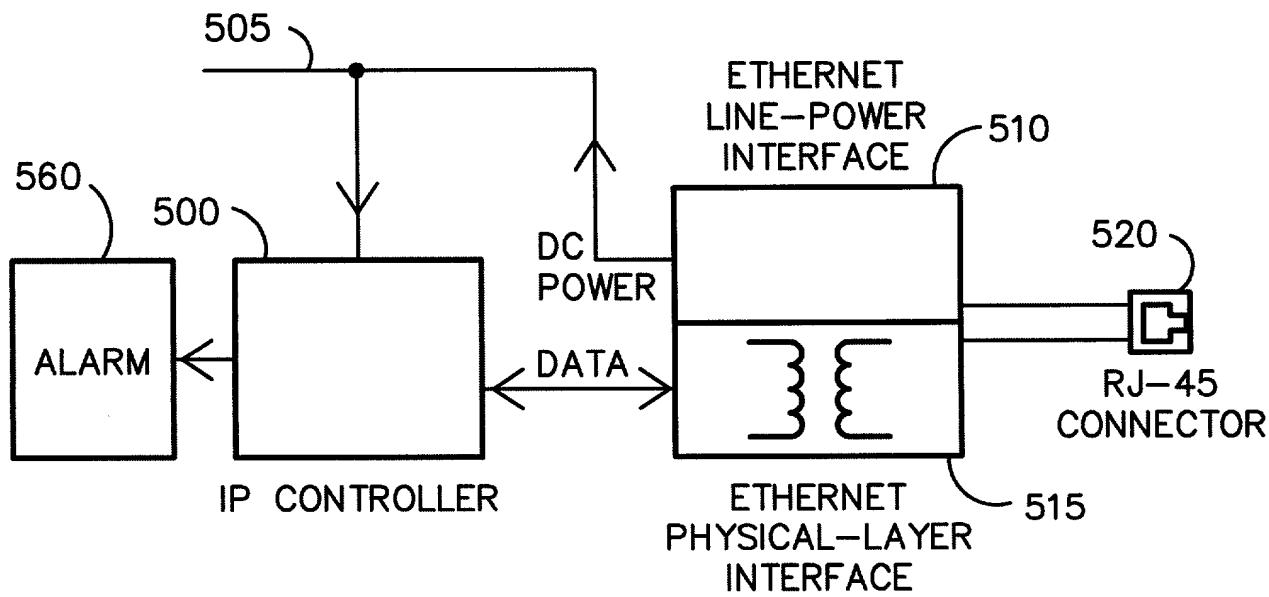
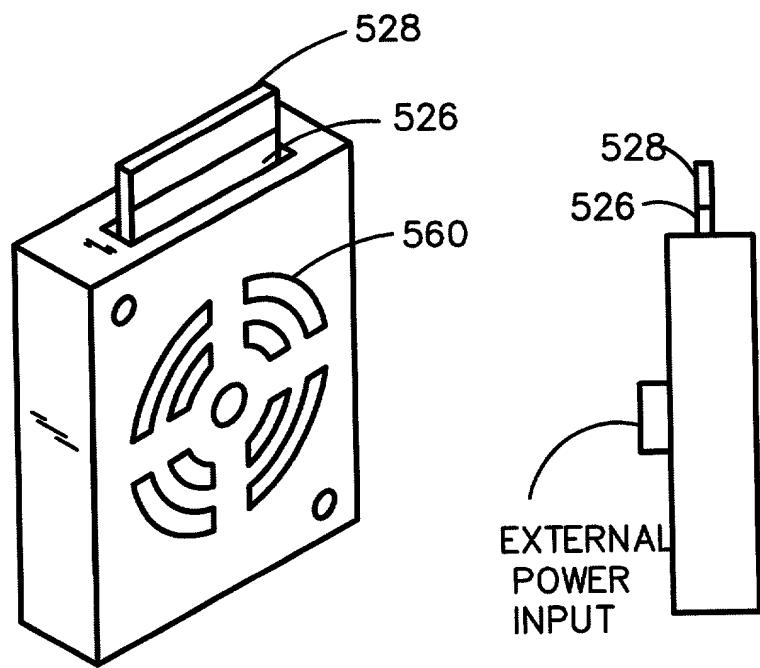


FIG. 18

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SIREN

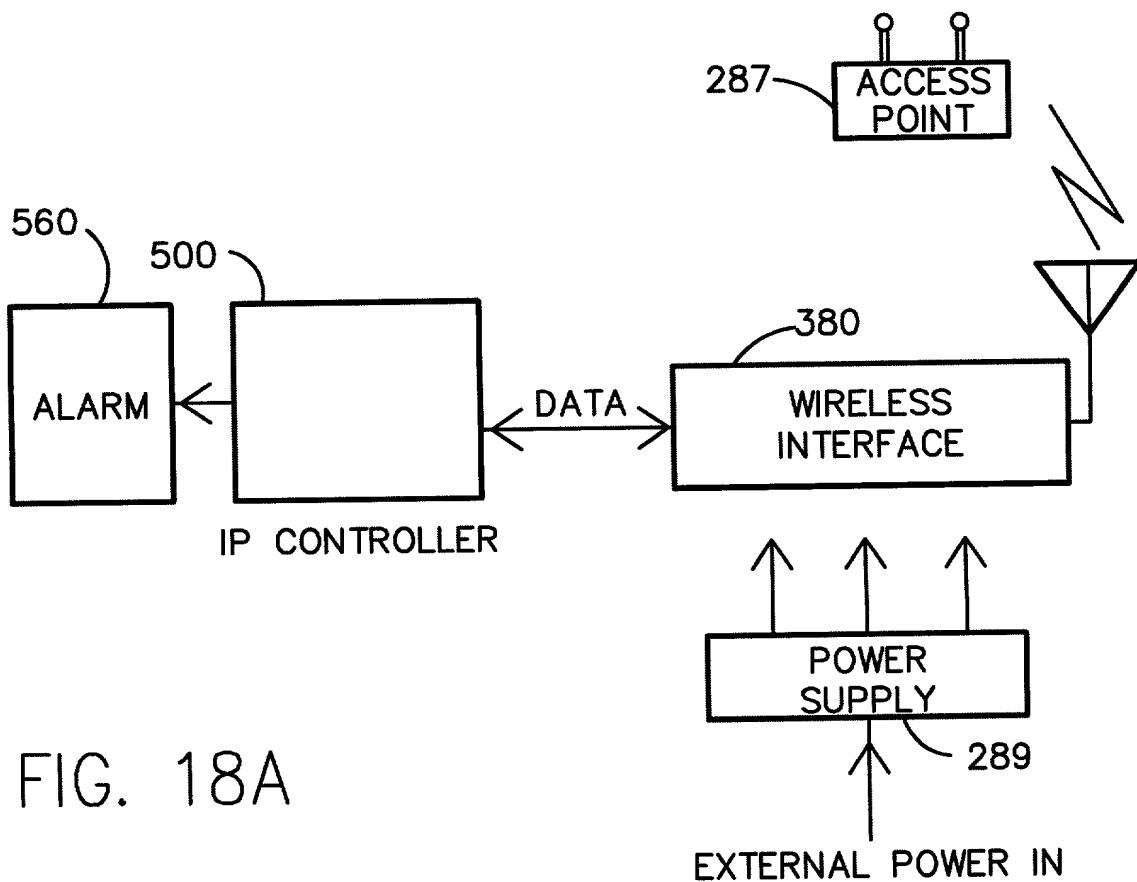
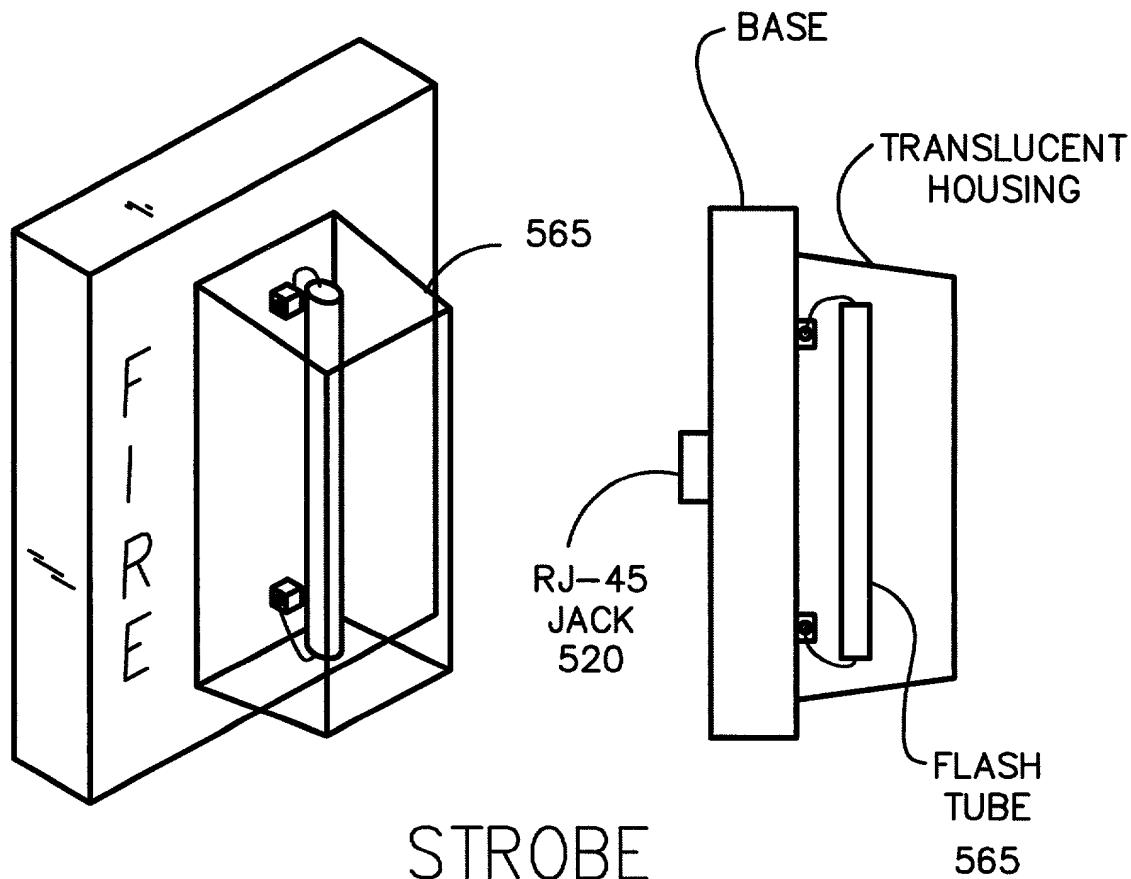


FIG. 18A



TOP SECRET//
REF ID: A65960

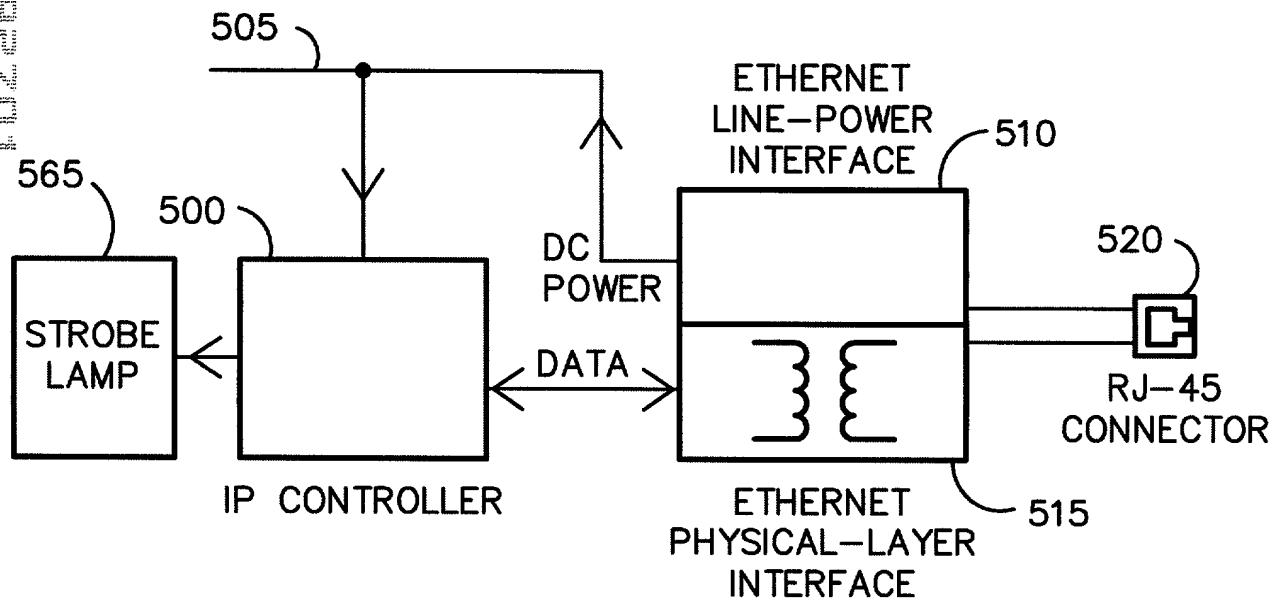


FIG. 19

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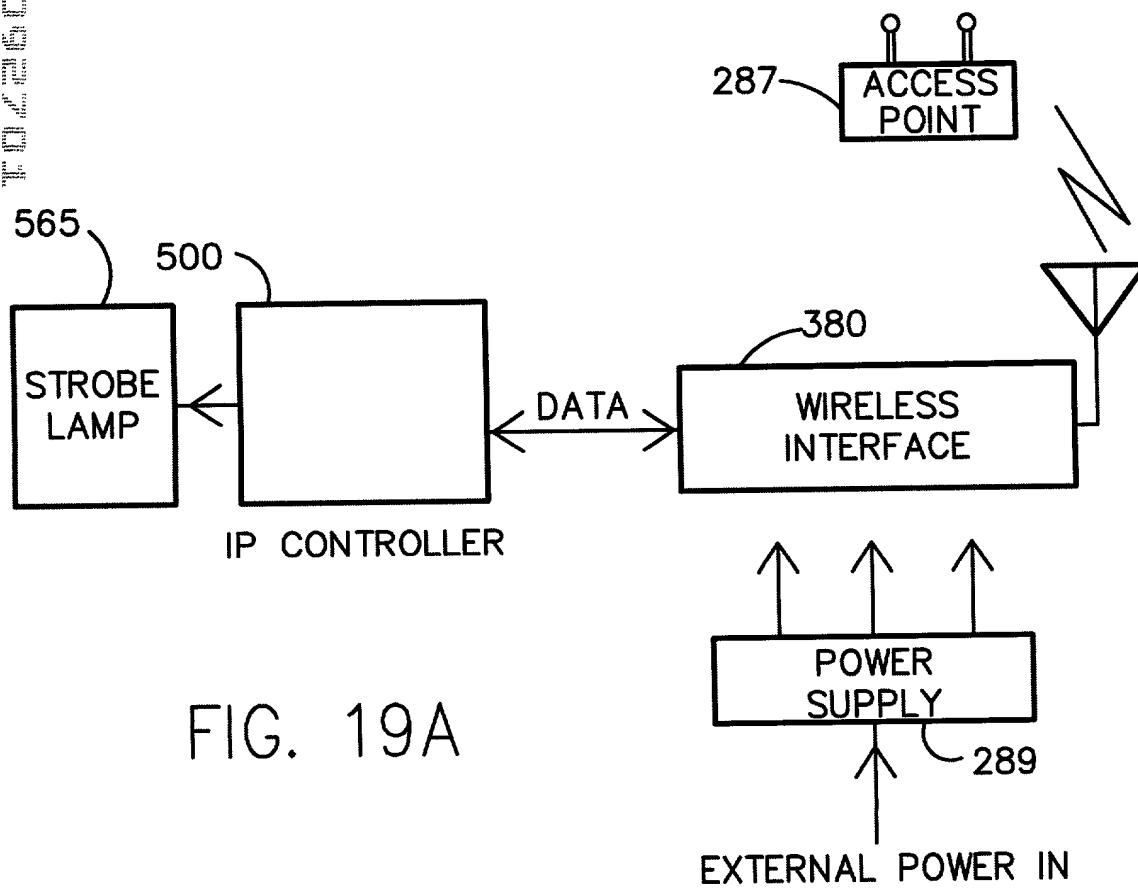
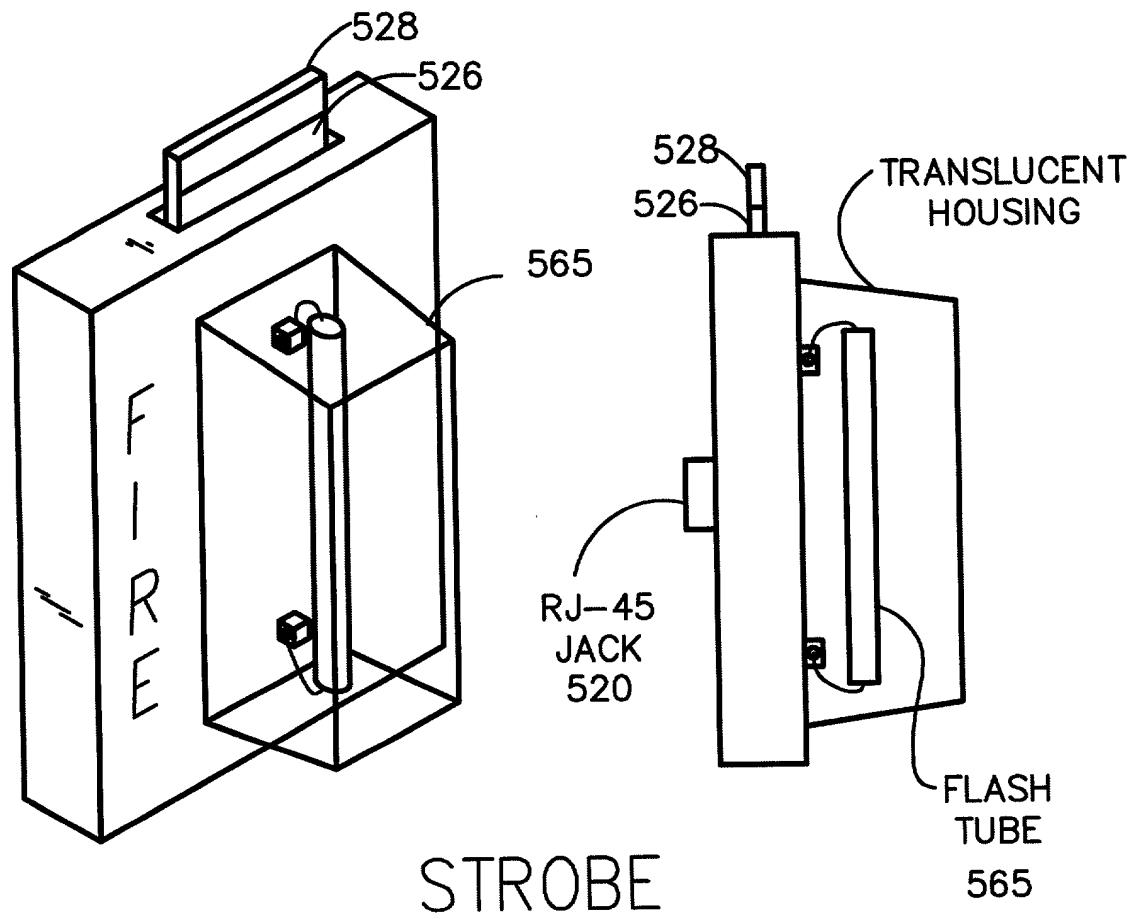
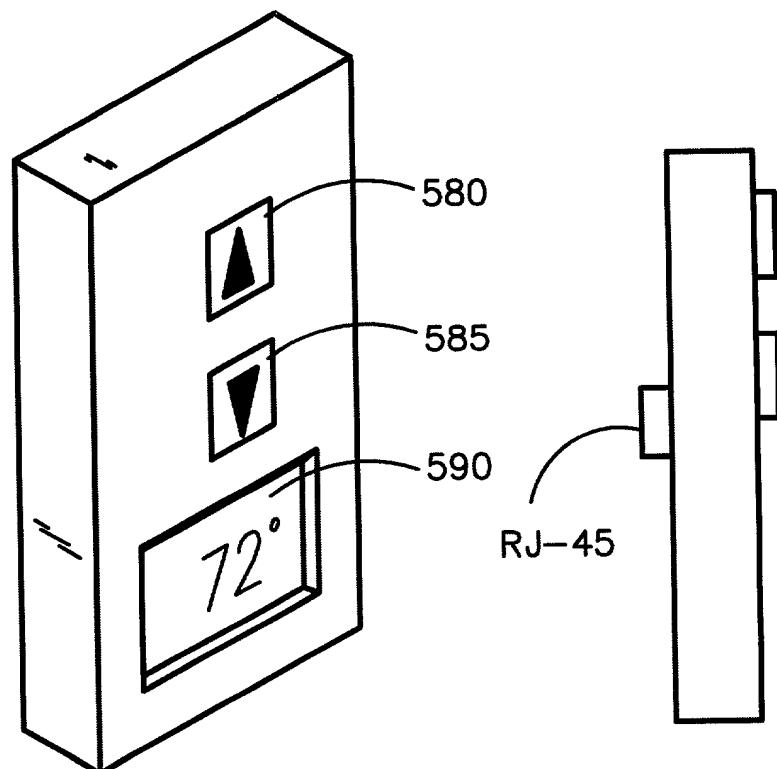


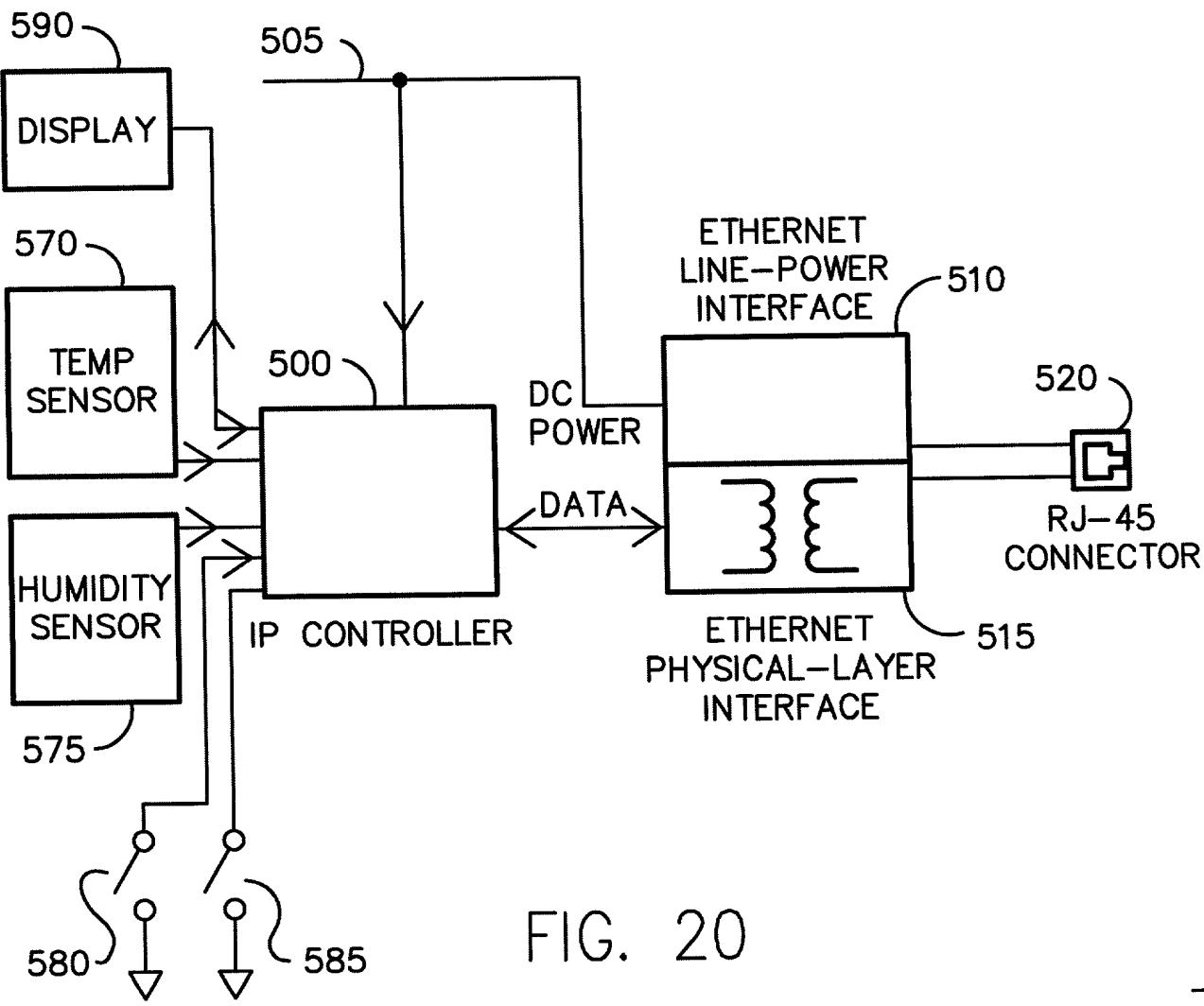
FIG. 19A

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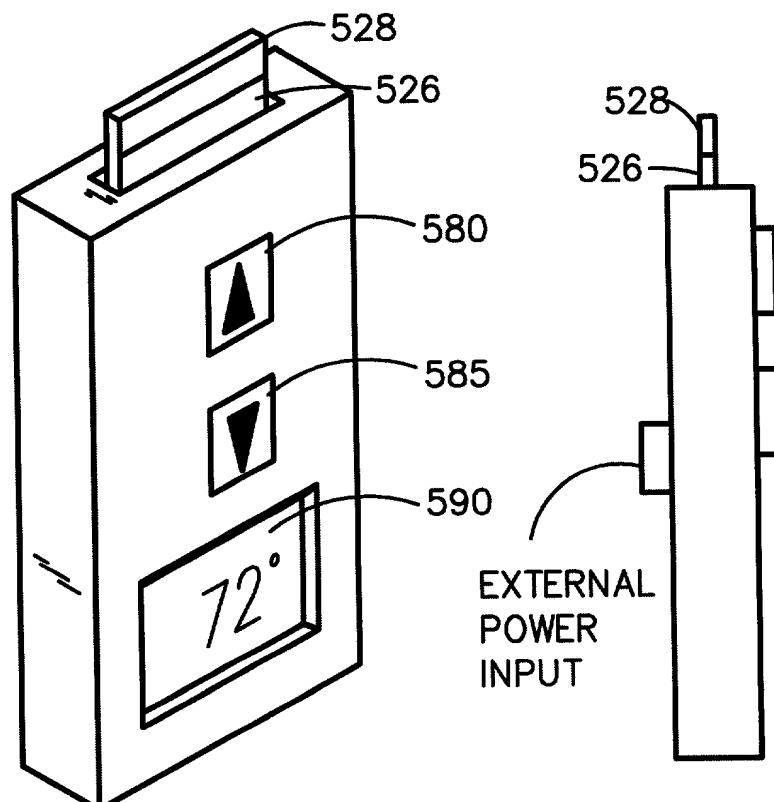


THERMOSTAT AND/OR HUMIDISTAT

FIGURE 20 - REQUESTED - 00000000000000000000000000000000



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THERMOSTAT AND/OR HUMIDISTAT

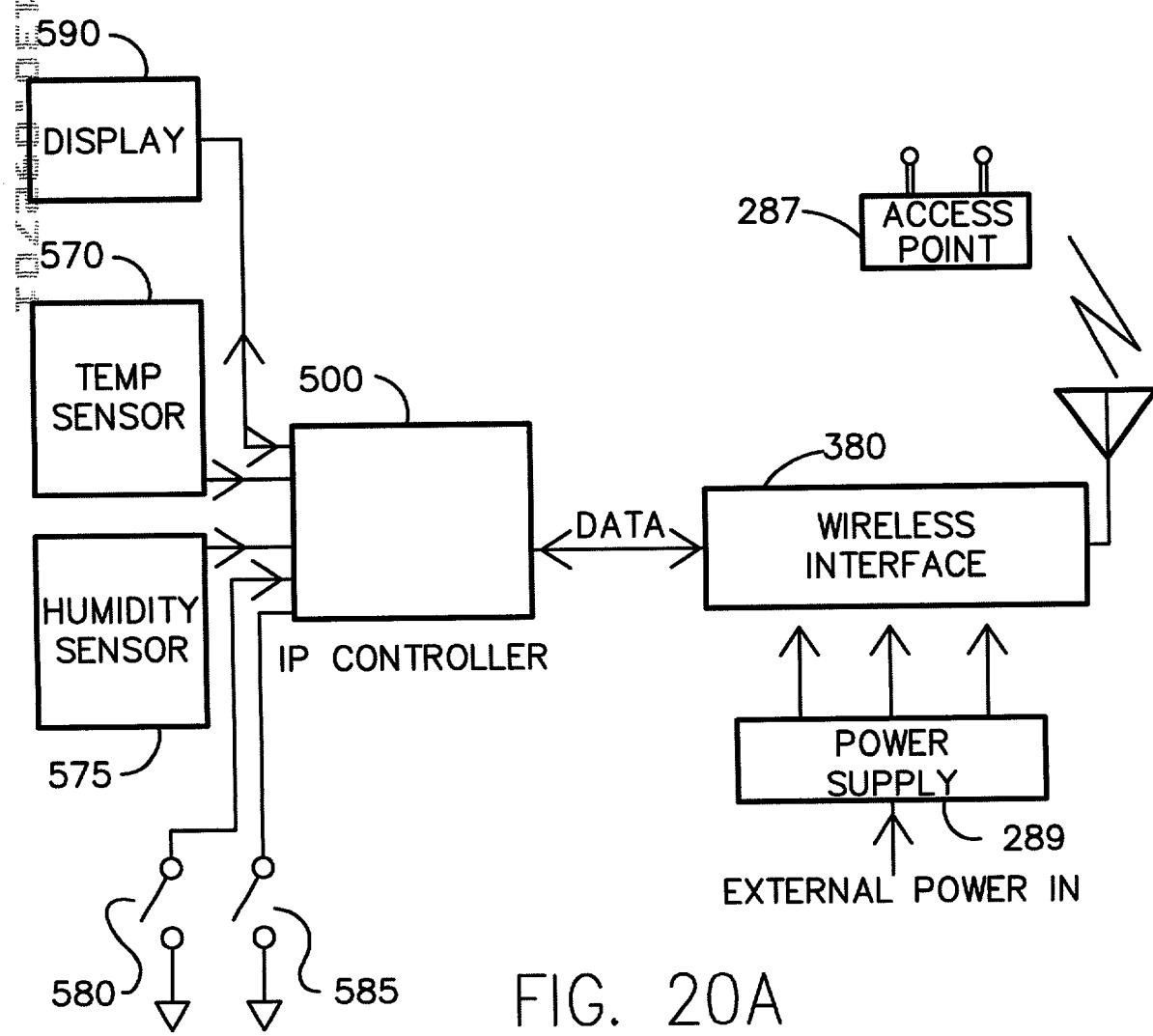
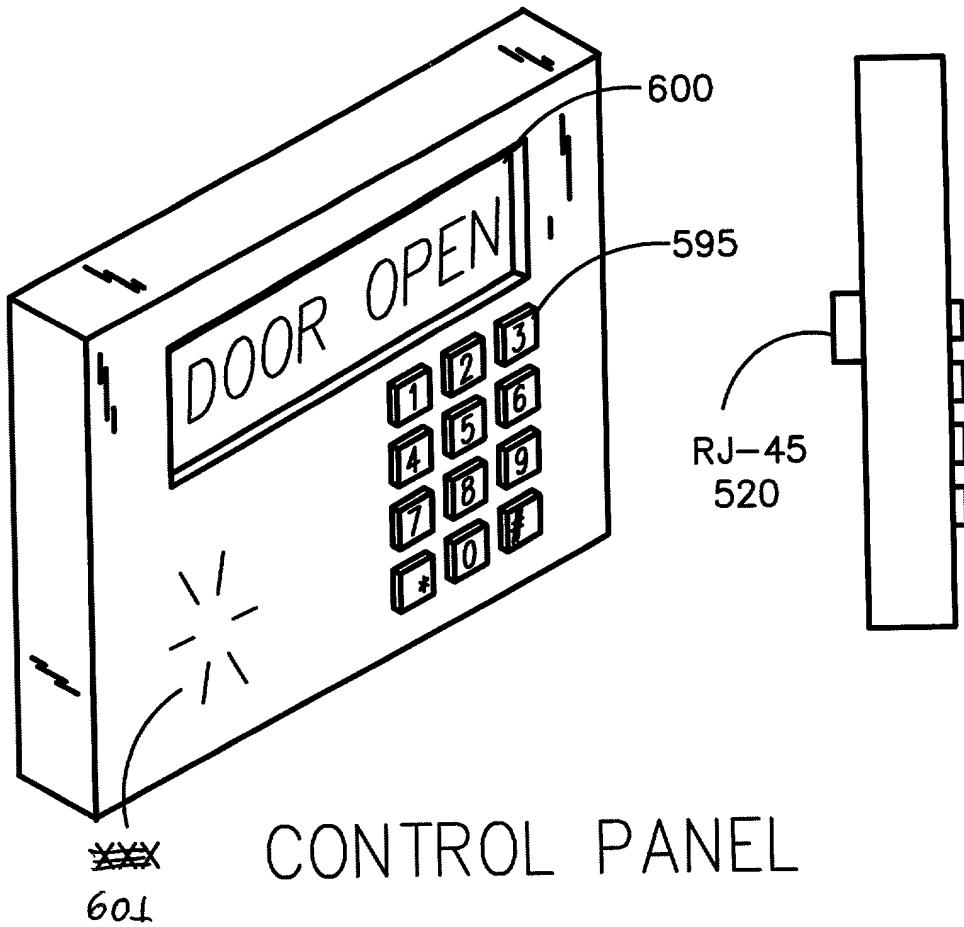


FIG. 20A

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TOP 260 - DRAFT 6.0

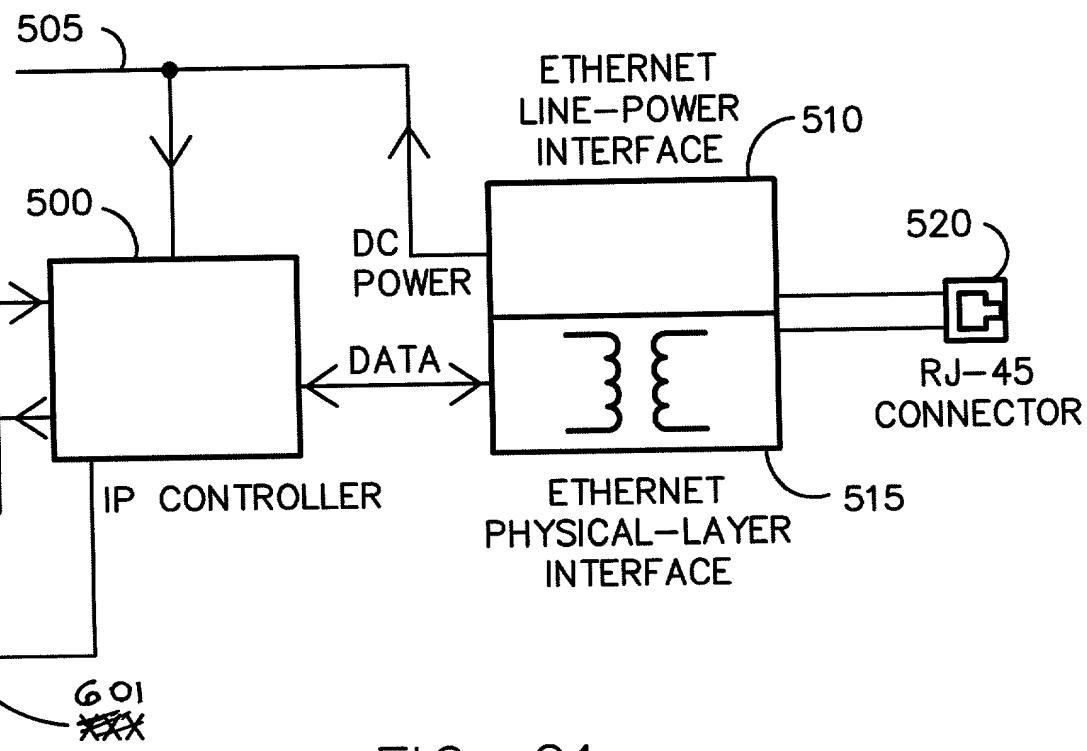
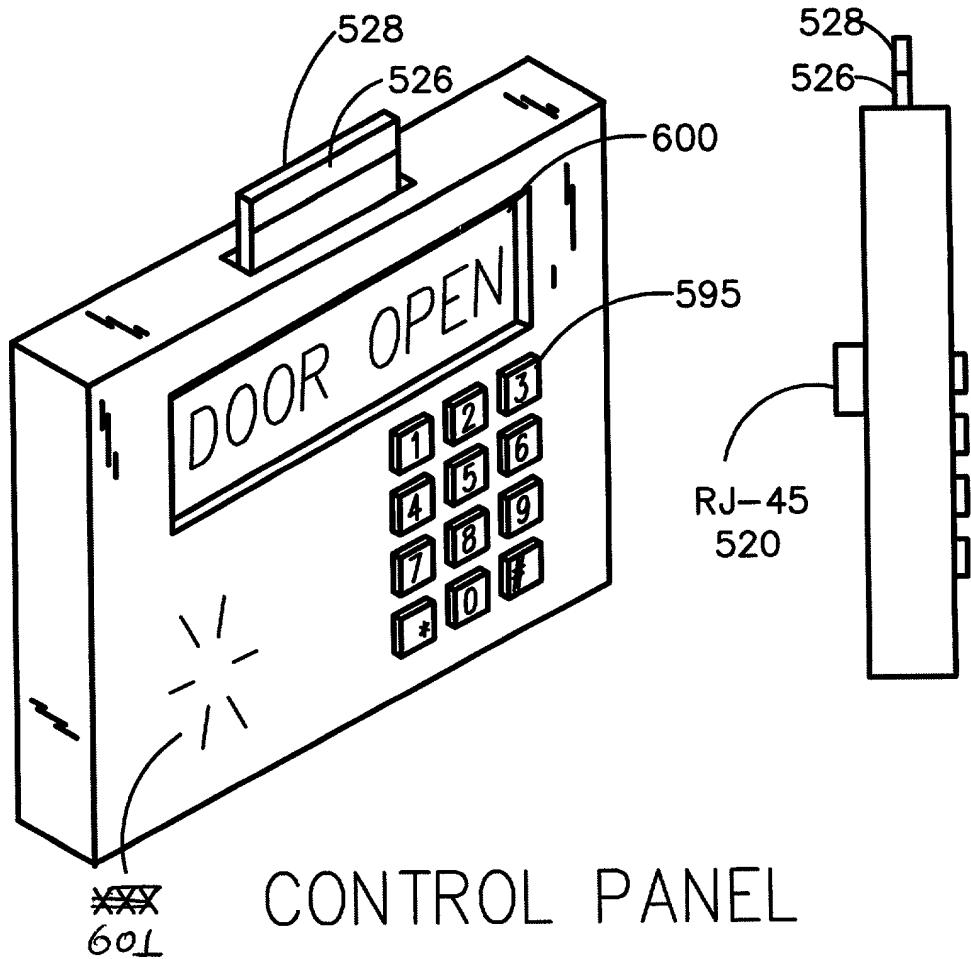


FIG. 21

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CONTROL PANEL

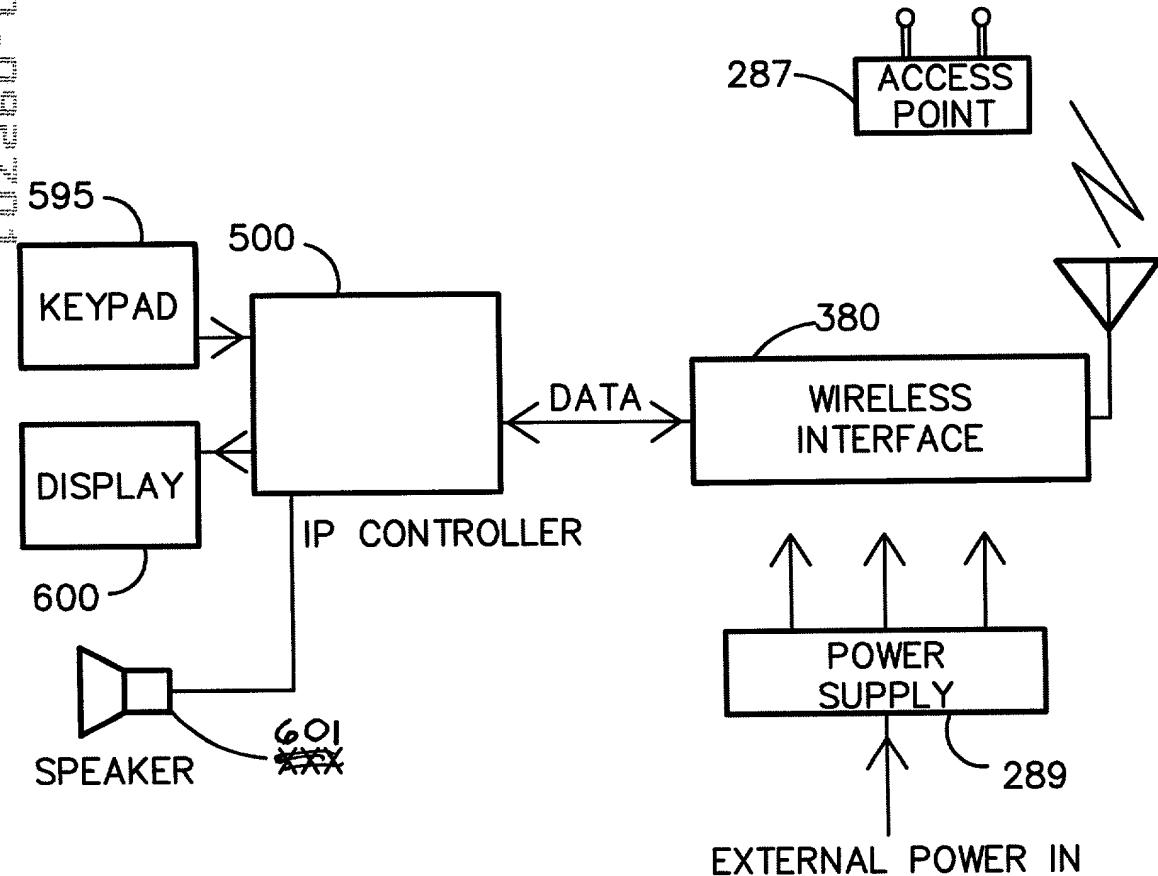
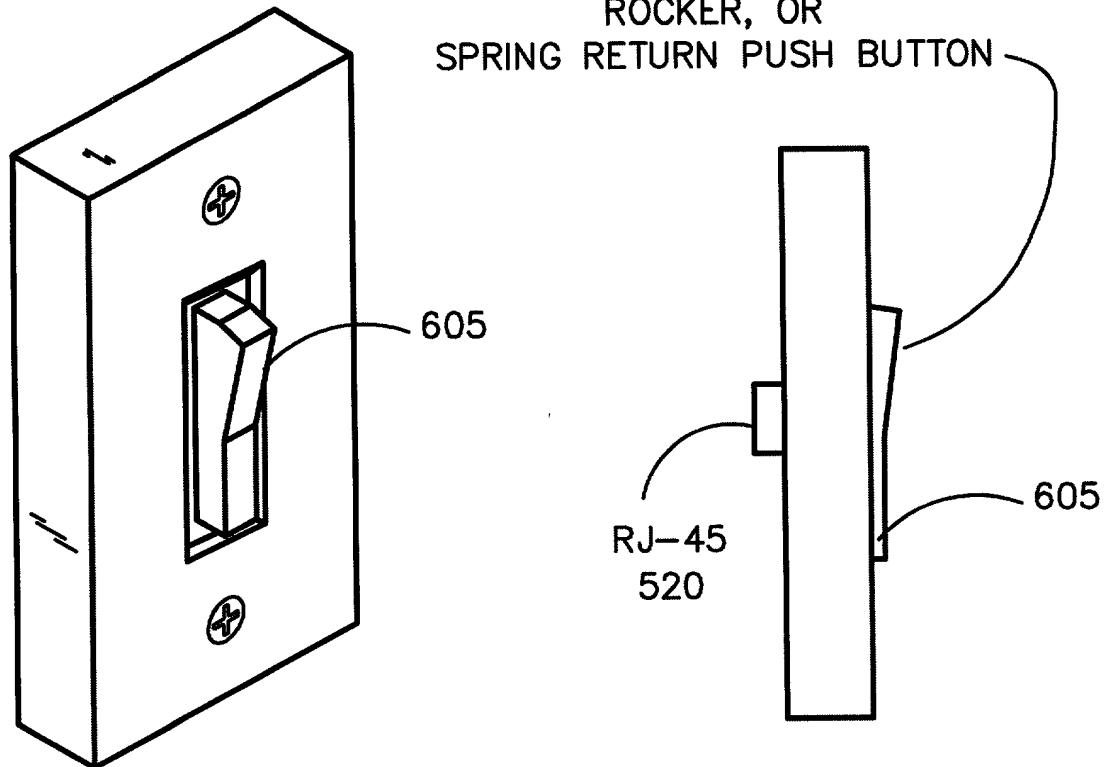


FIG. 21A

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TOGGLE,
ROCKER, OR
SPRING RETURN PUSH BUTTON



CONTROL SWITCH

FIGURE 22 - CONTROL SWITCH

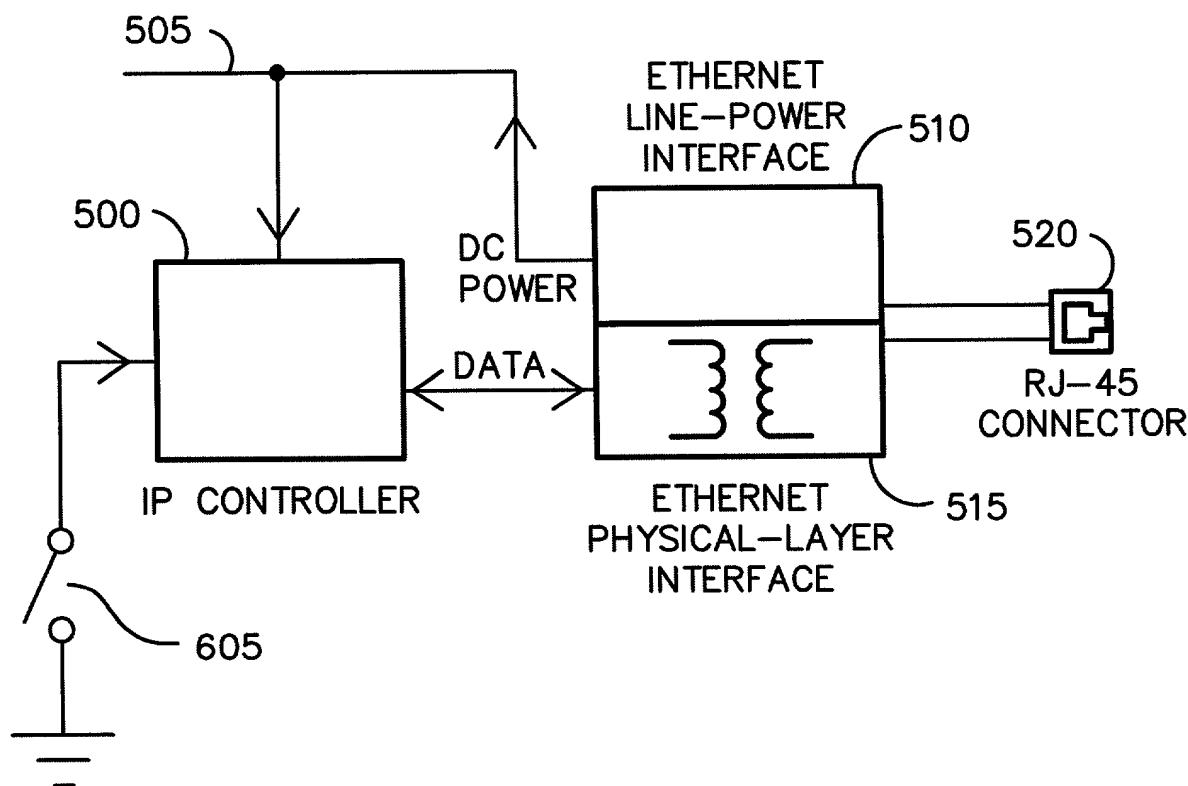
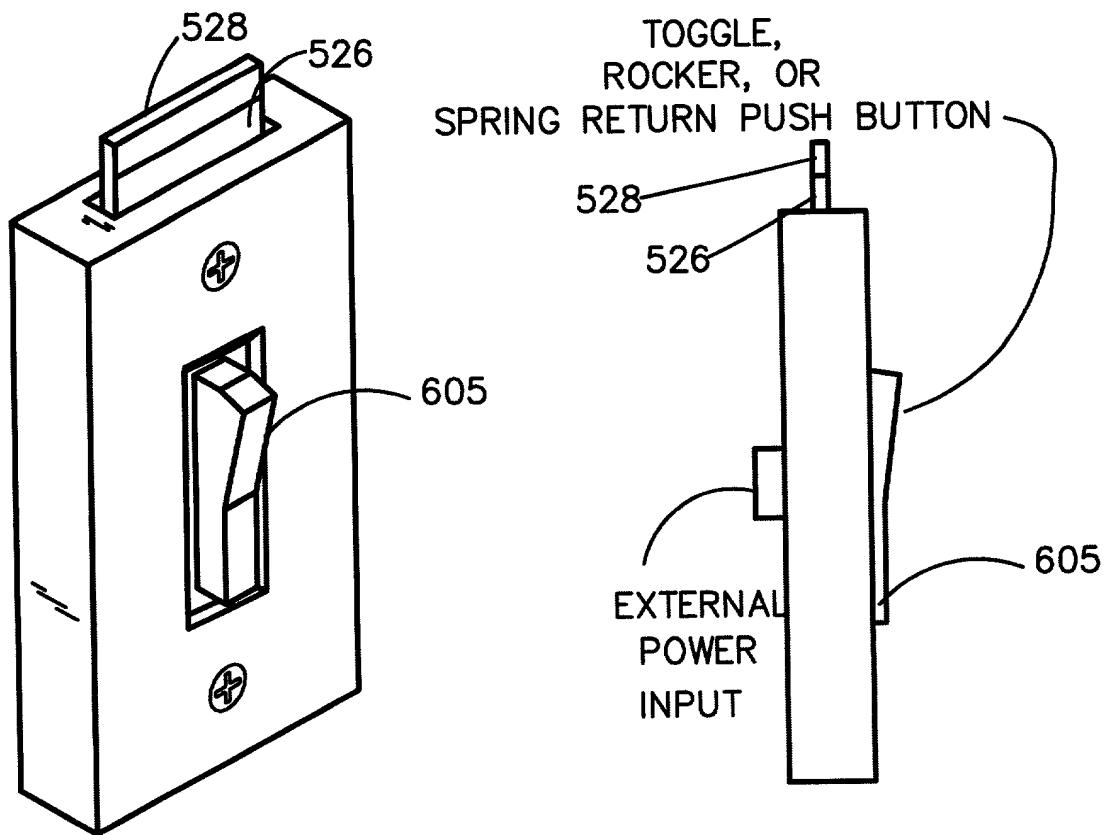


FIG. 22

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CONTROL SWITCH

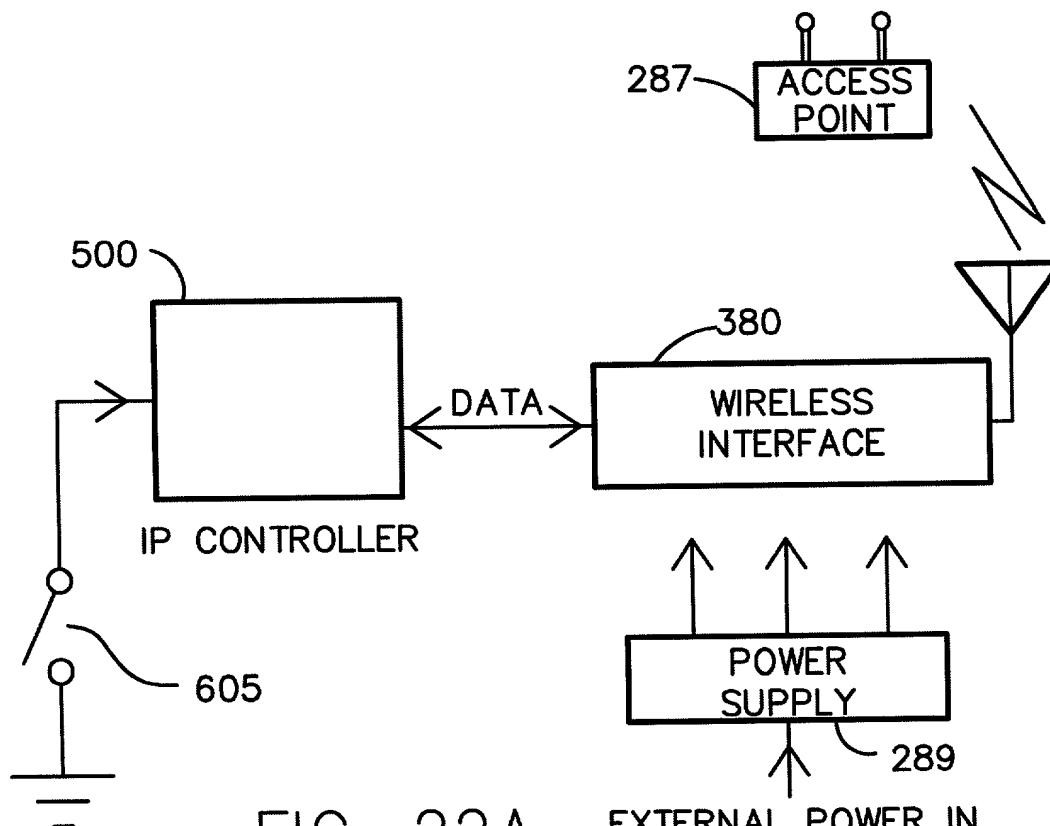
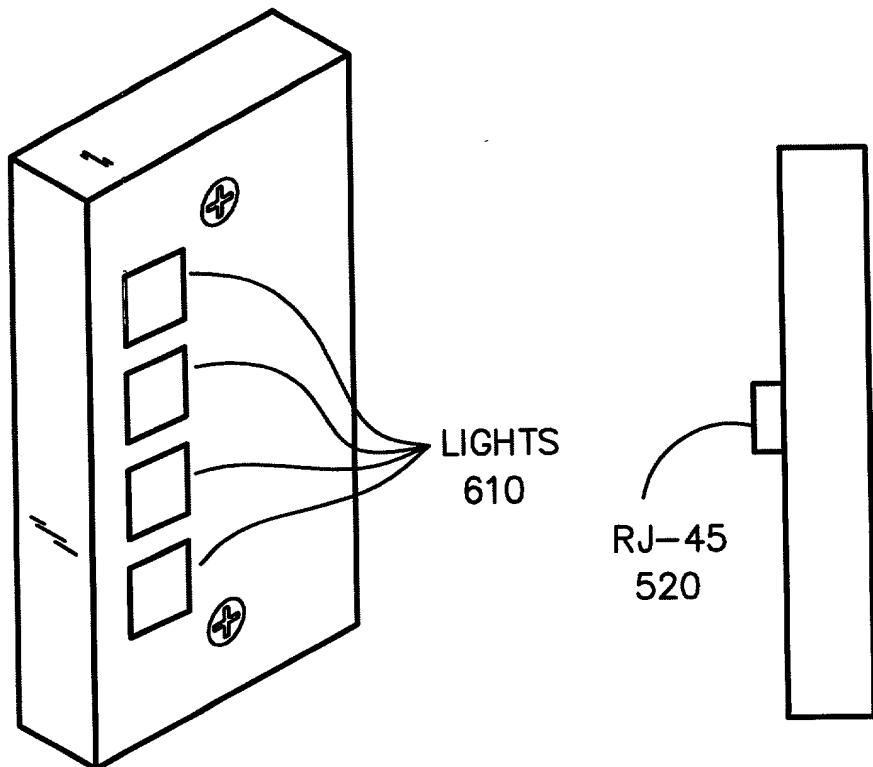


FIG. 22A



INDICATOR LIGHT

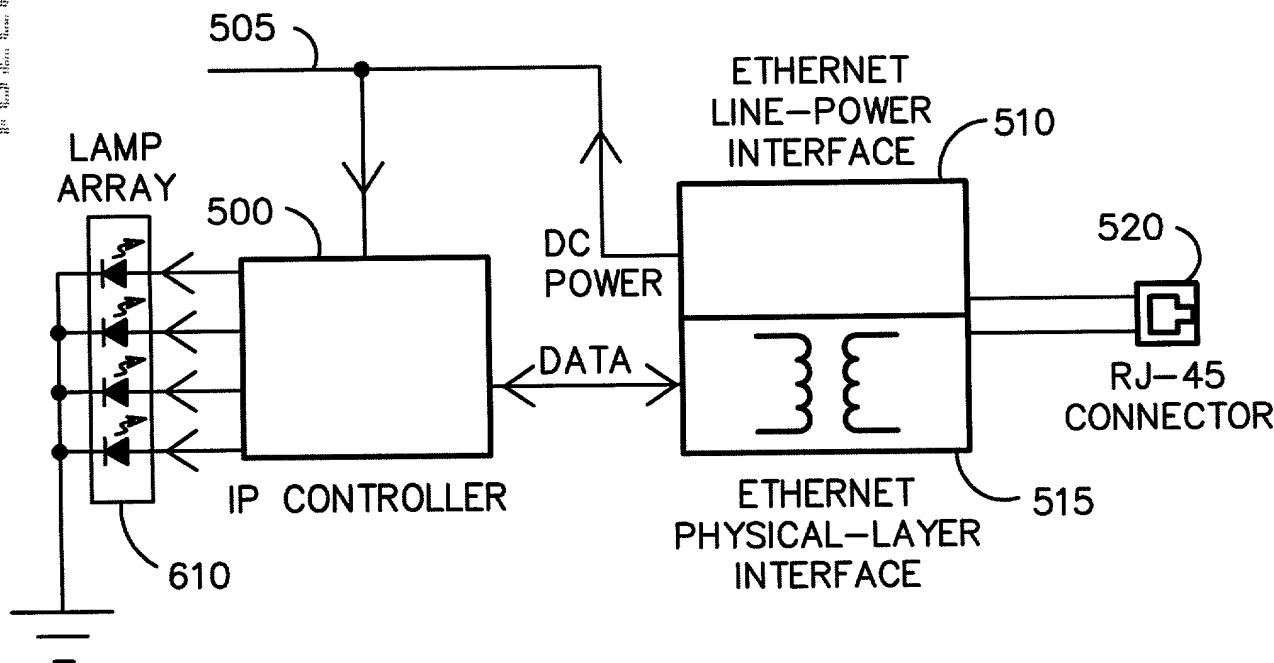
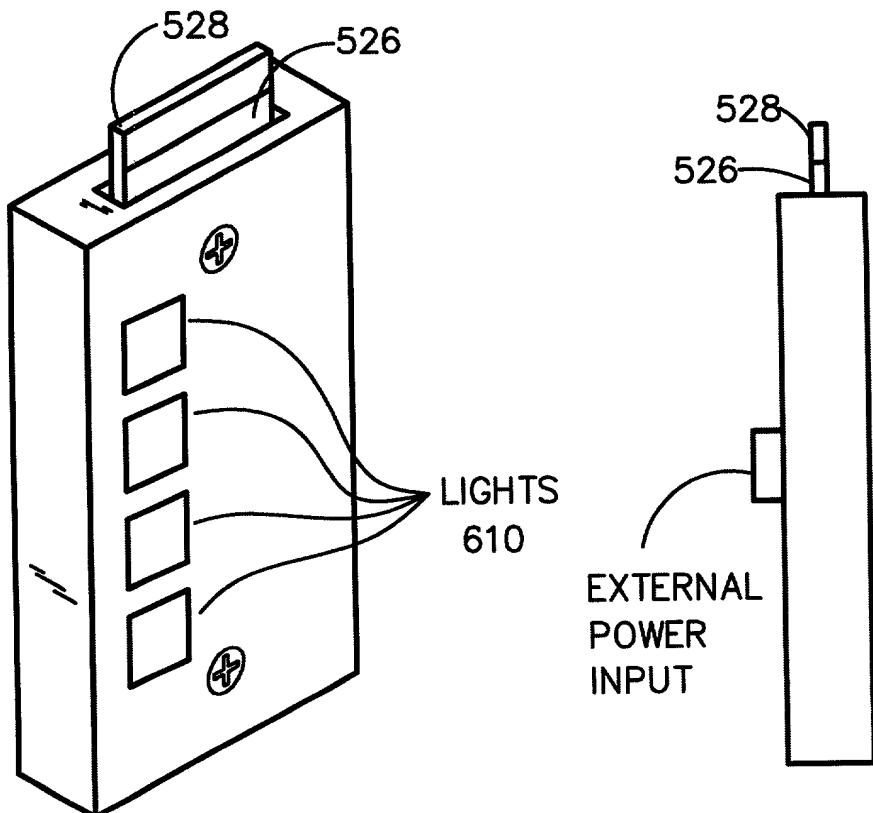


FIG. 23



INDICATOR LIGHT

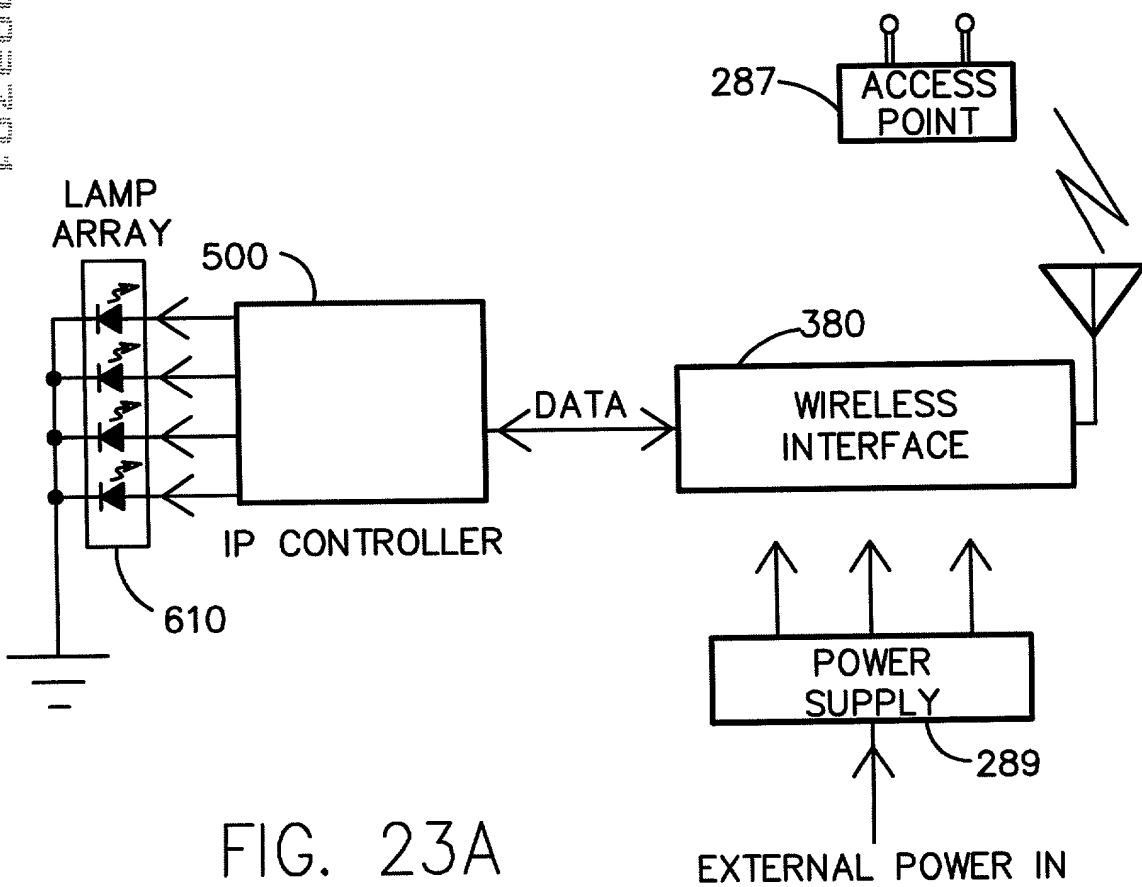
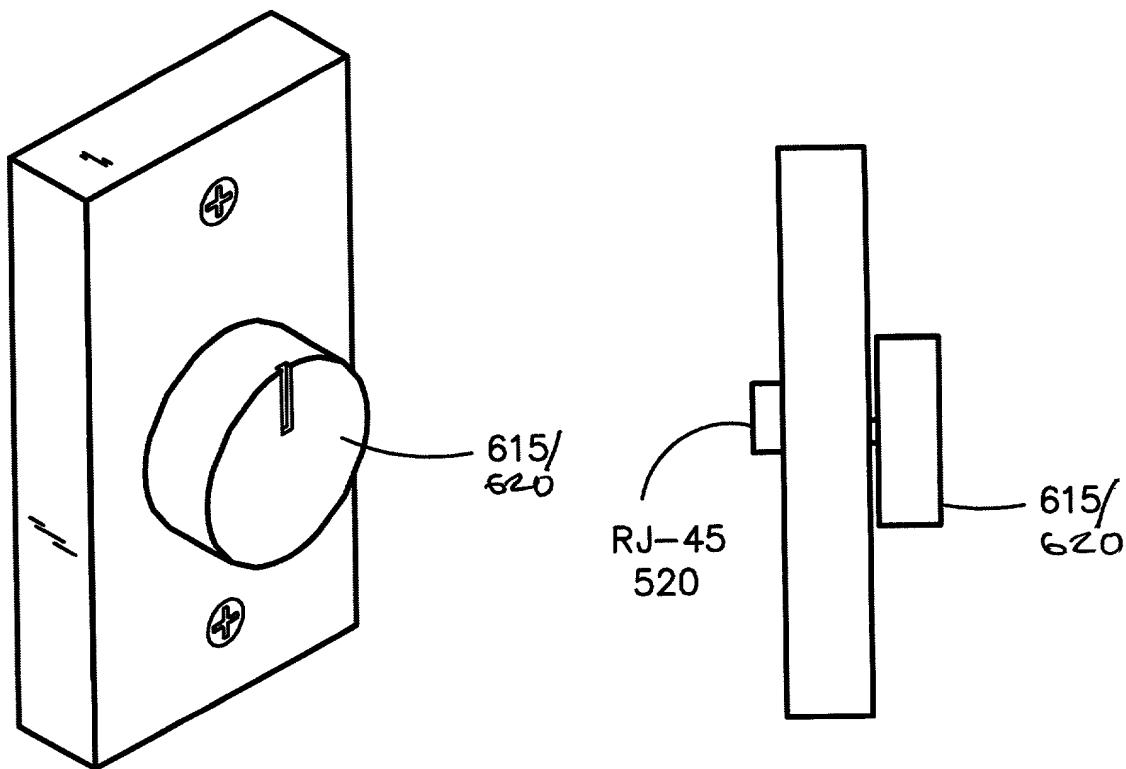


FIG. 23A



ANALOG CONTROL

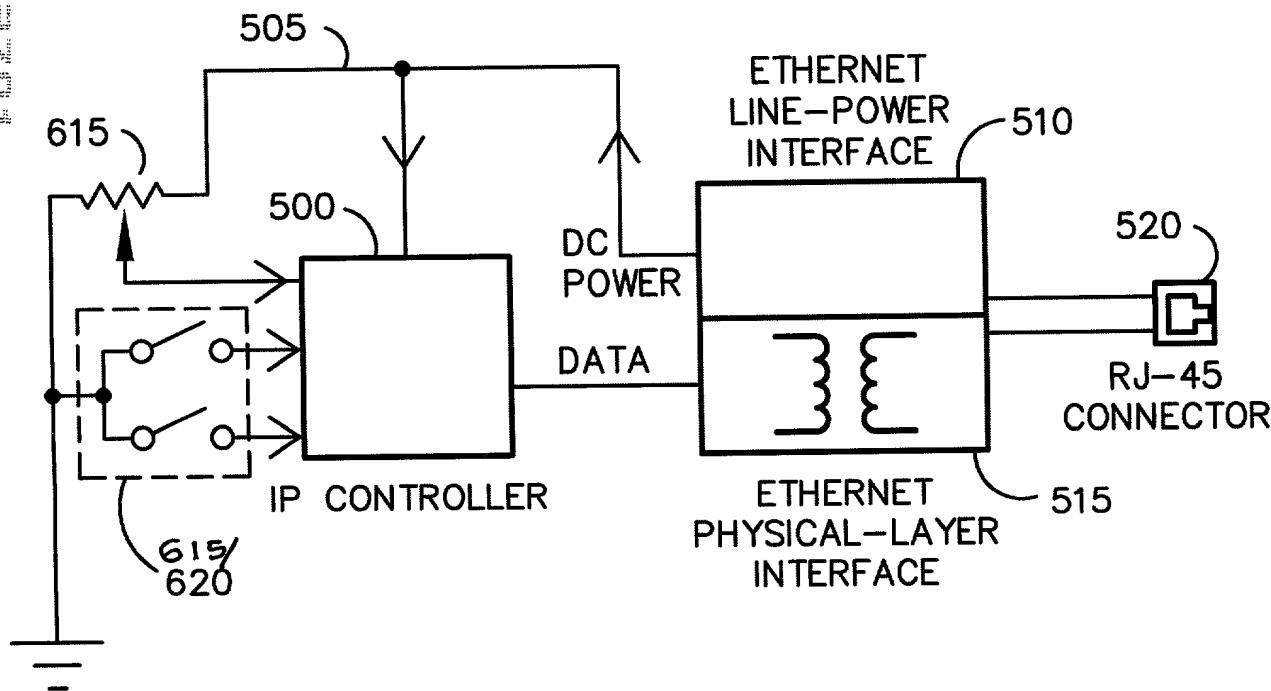
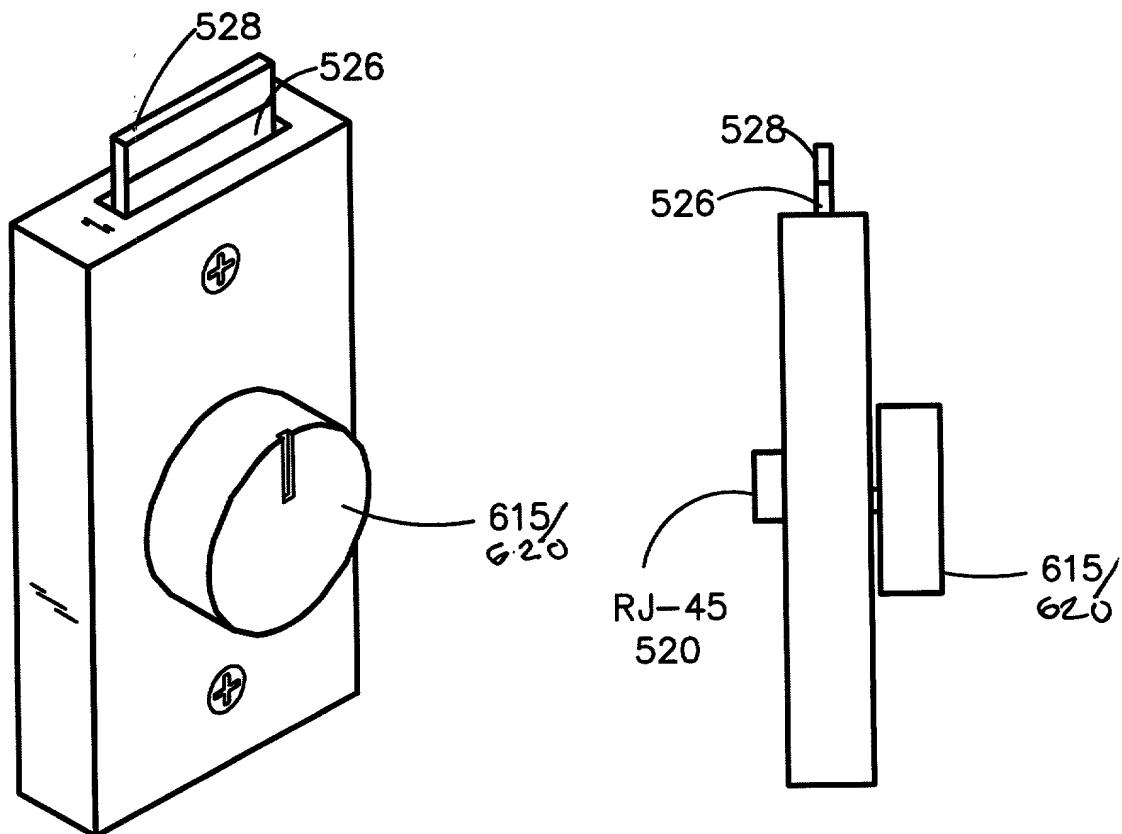


FIG. 24



ANALOG CONTROL

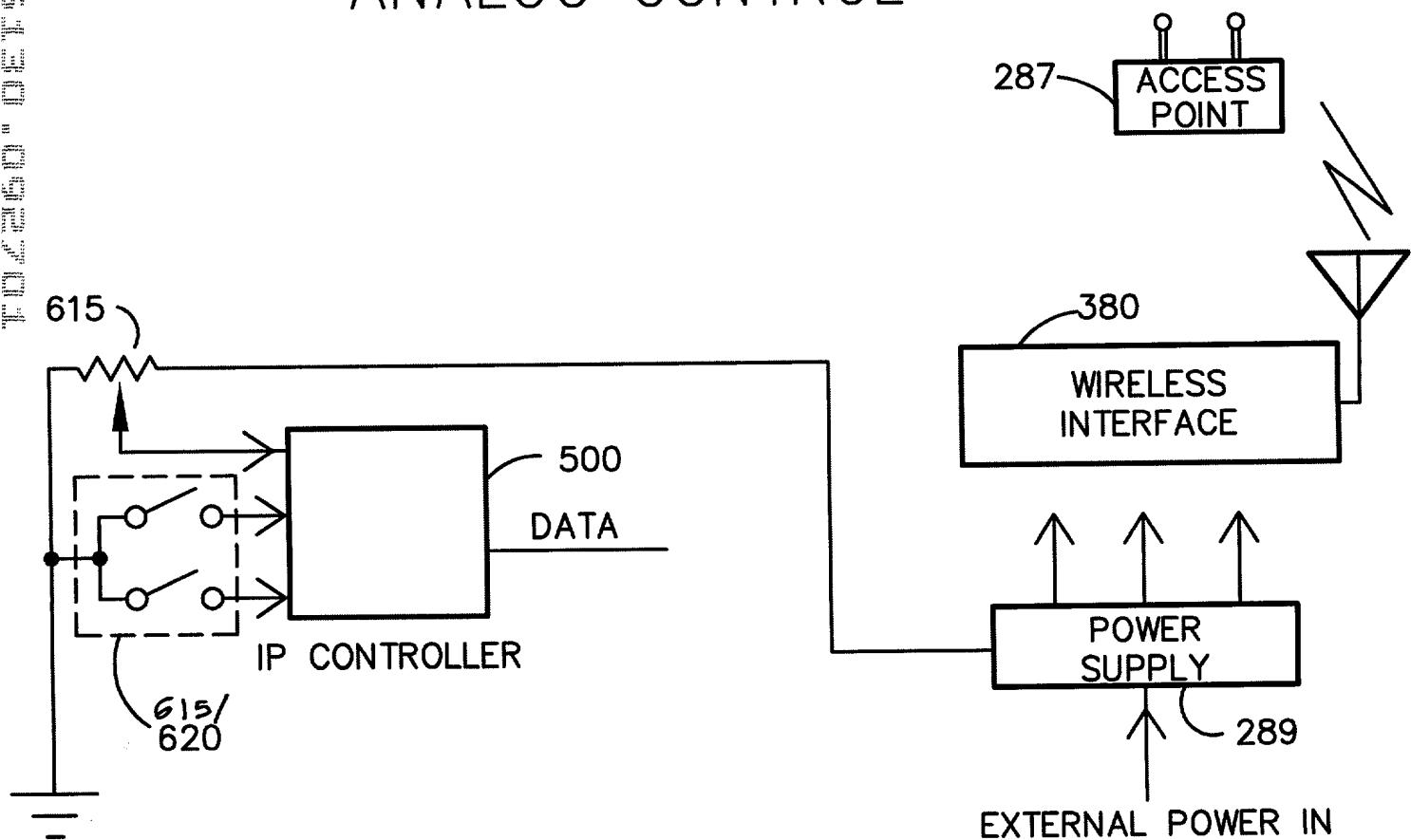
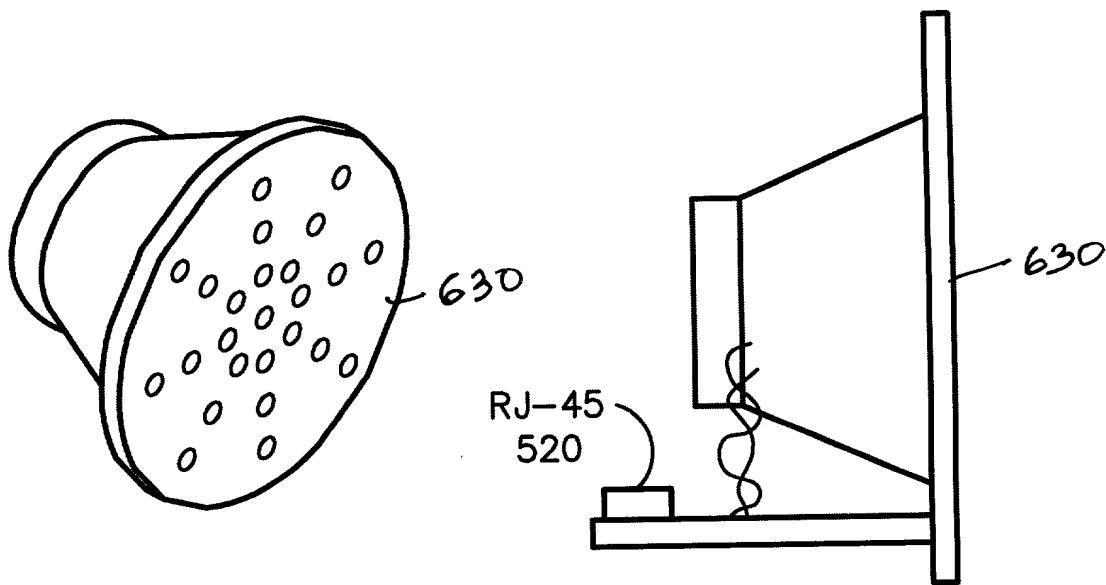


FIG. 24A



LOUDSPEAKER WITH AMPLIFIER

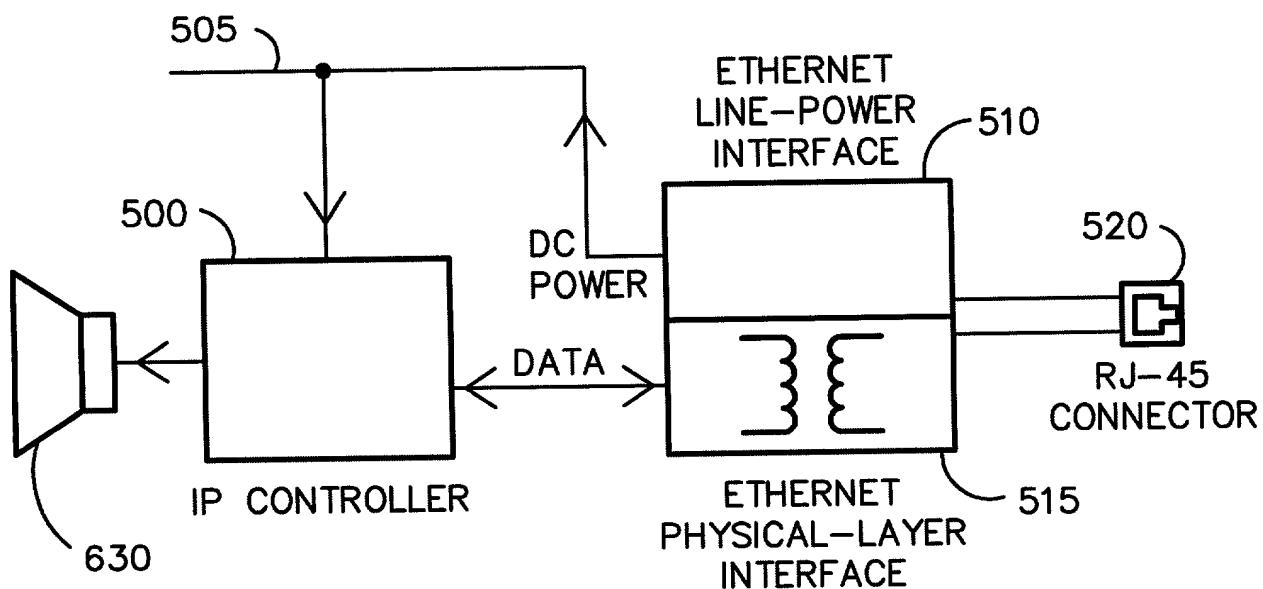
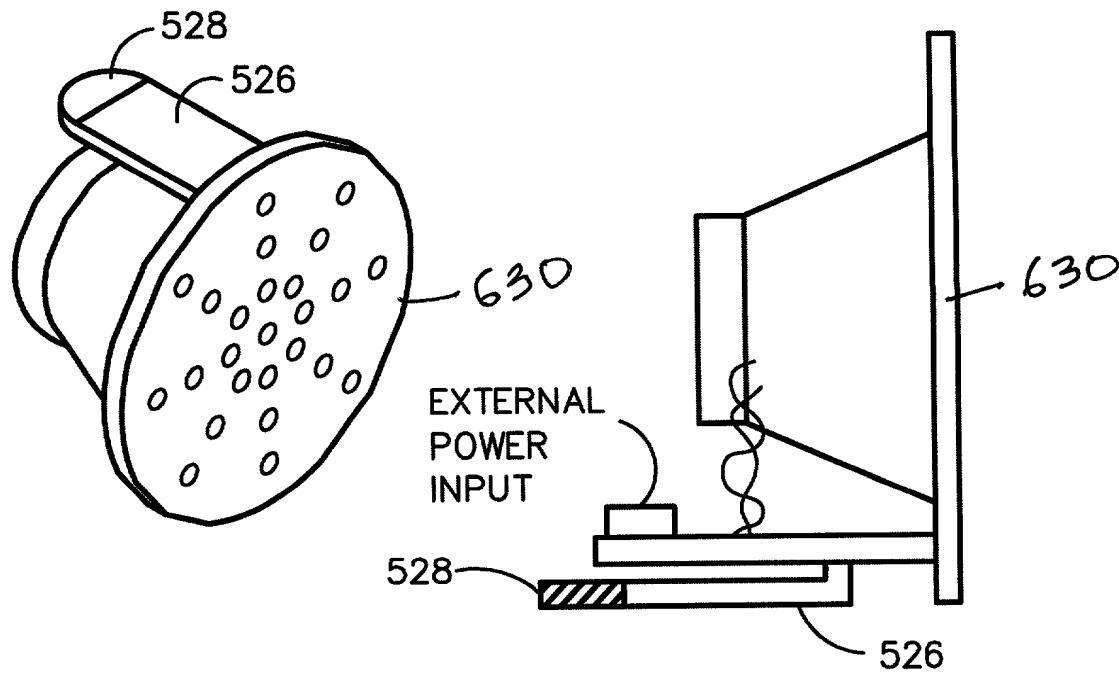


FIG. 25



LOUDSPEAKER WITH AMPLIFIER

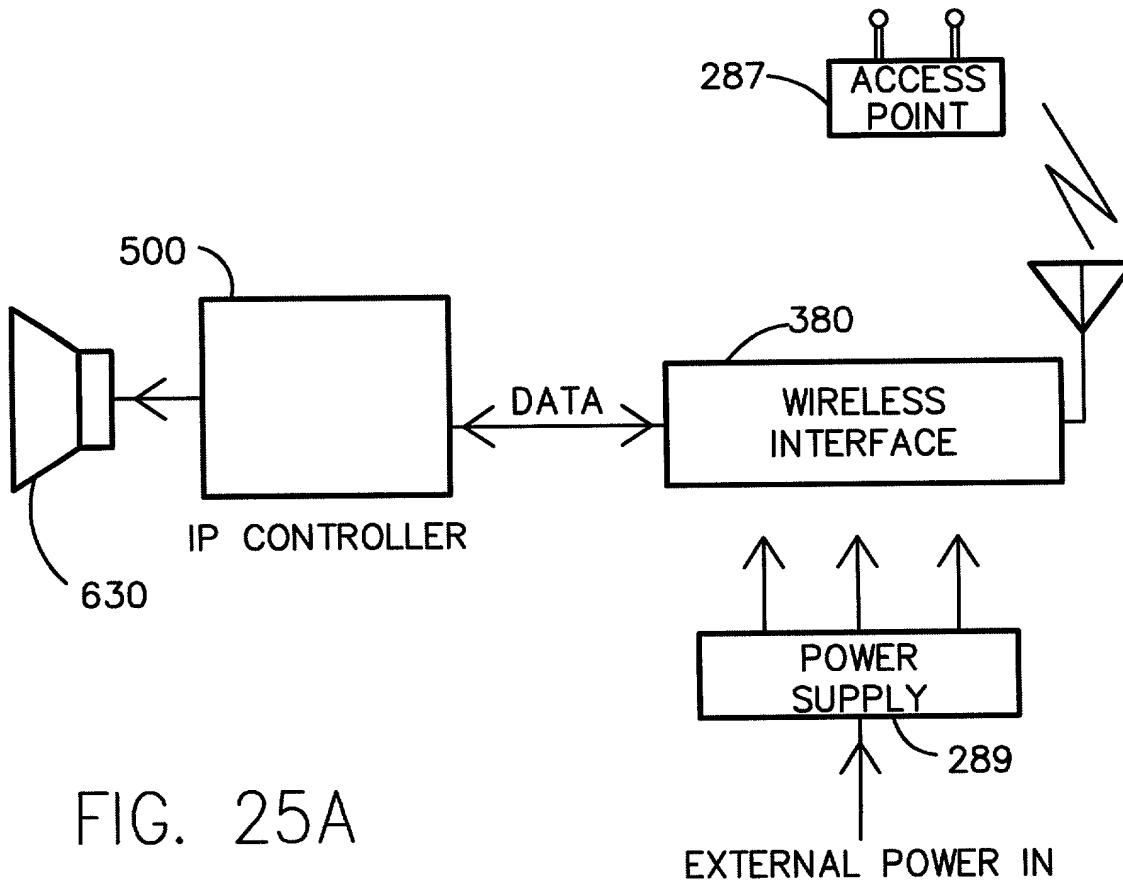
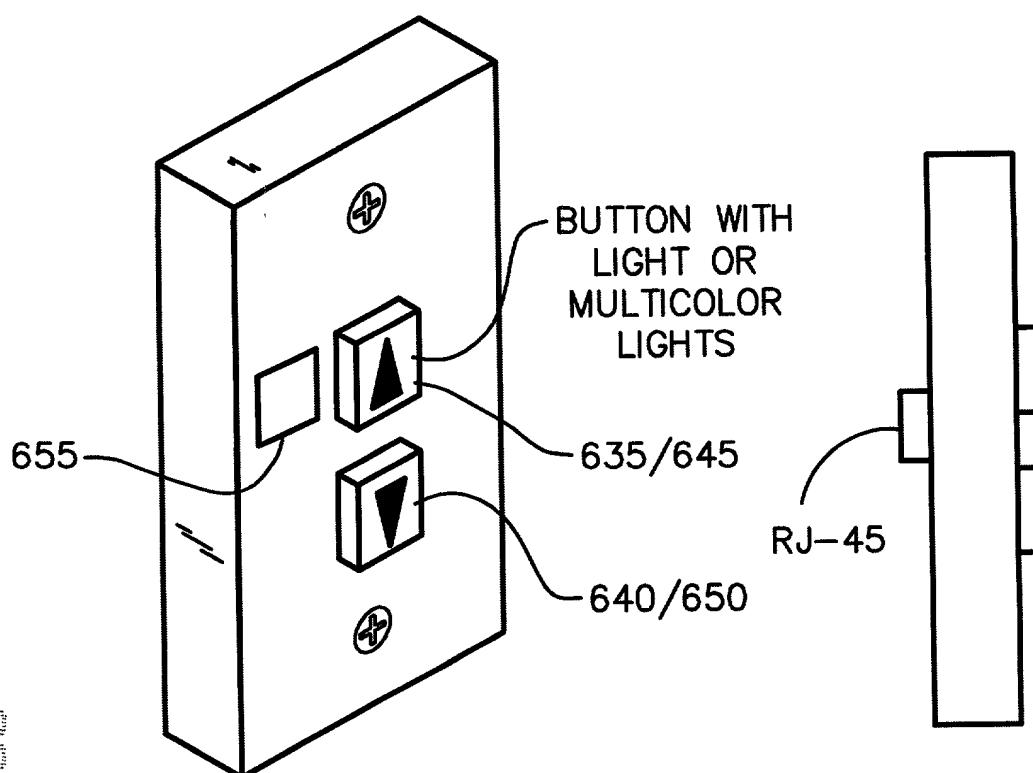


FIG. 25A



CONTROL SWITCH
INDICATOR LIGHT

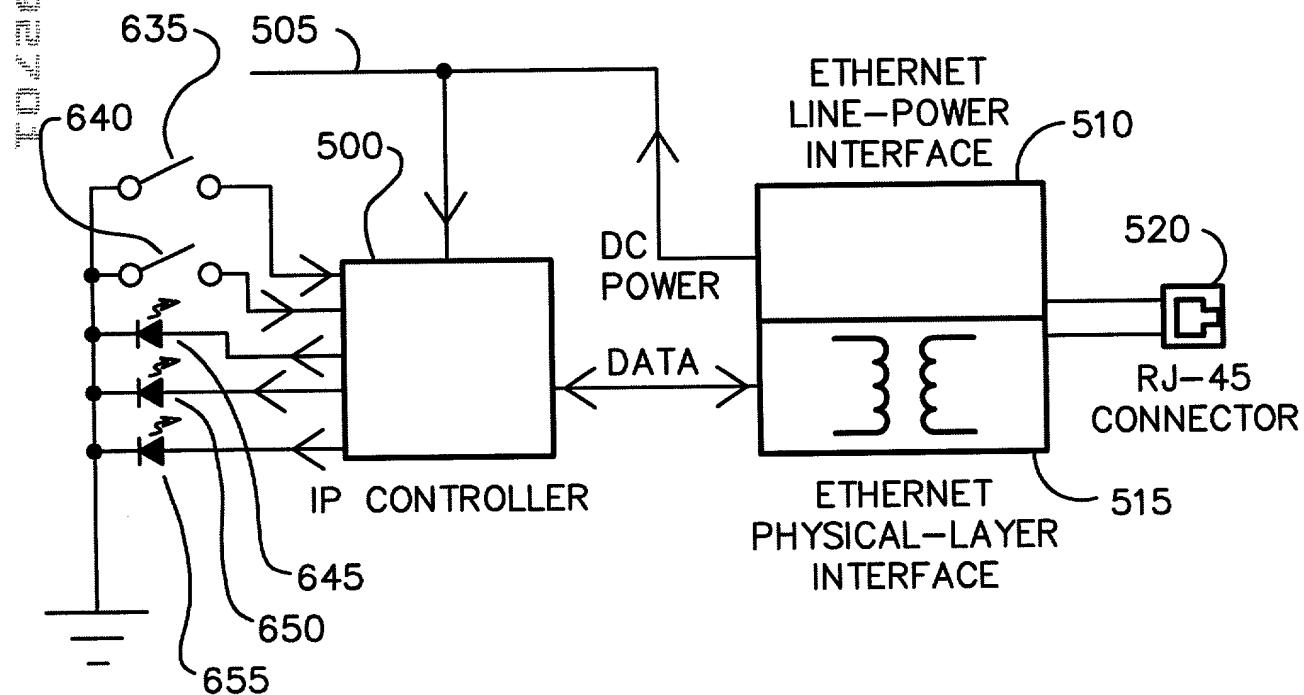
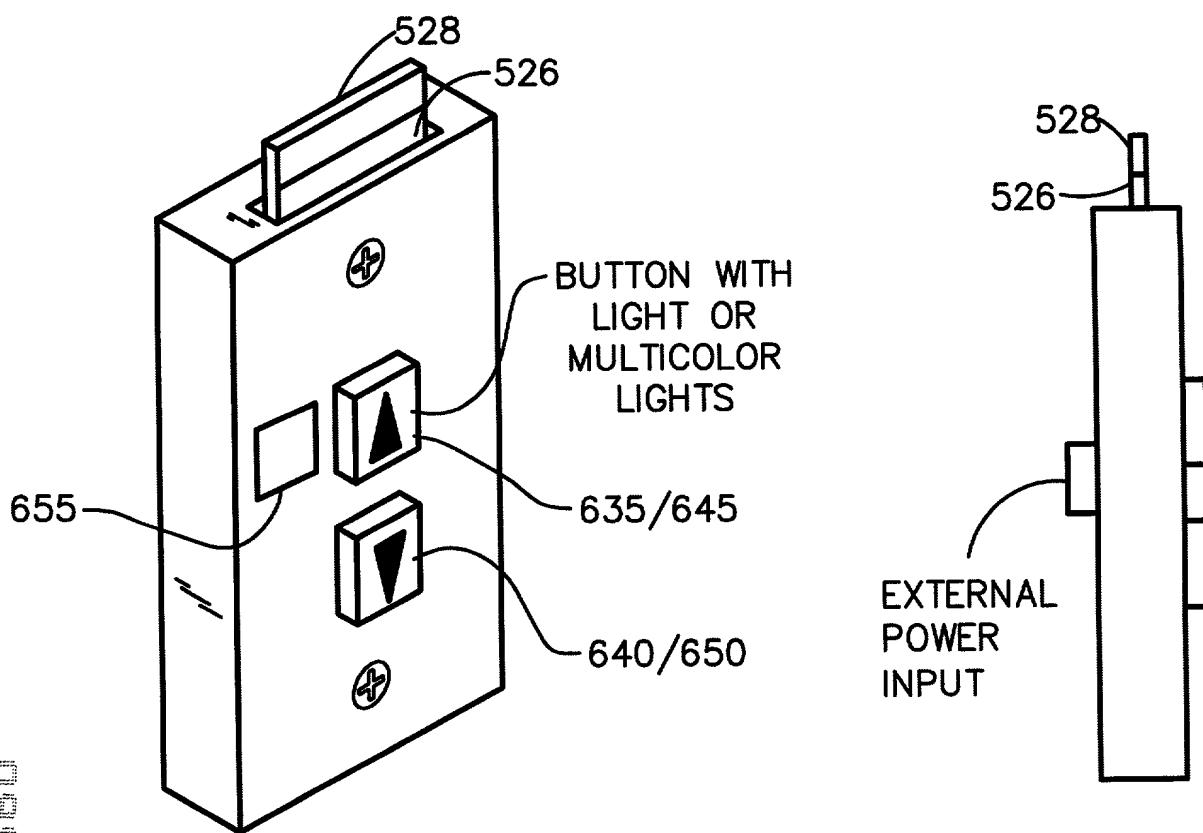


FIG. 26

TOP ZONE - 03579560



CONTROL SWITCH INDICATOR LIGHT

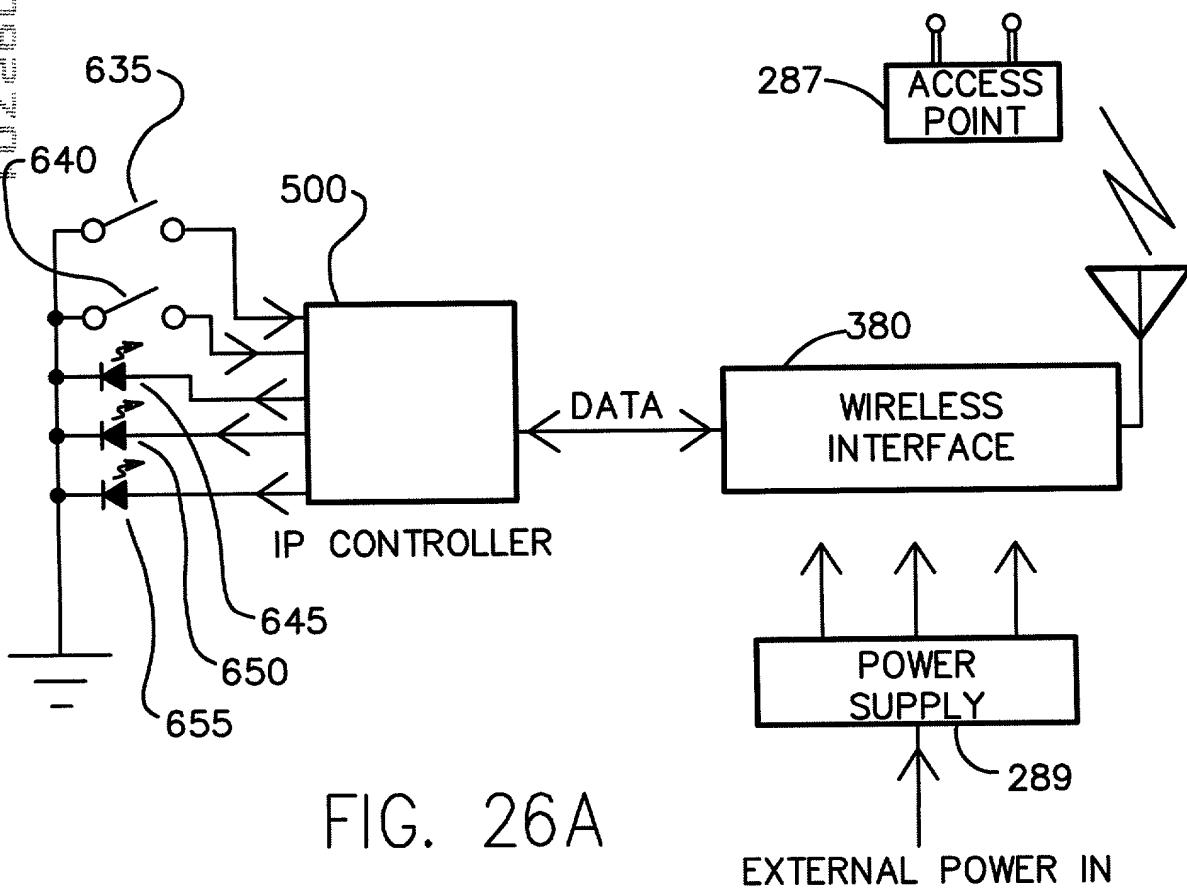
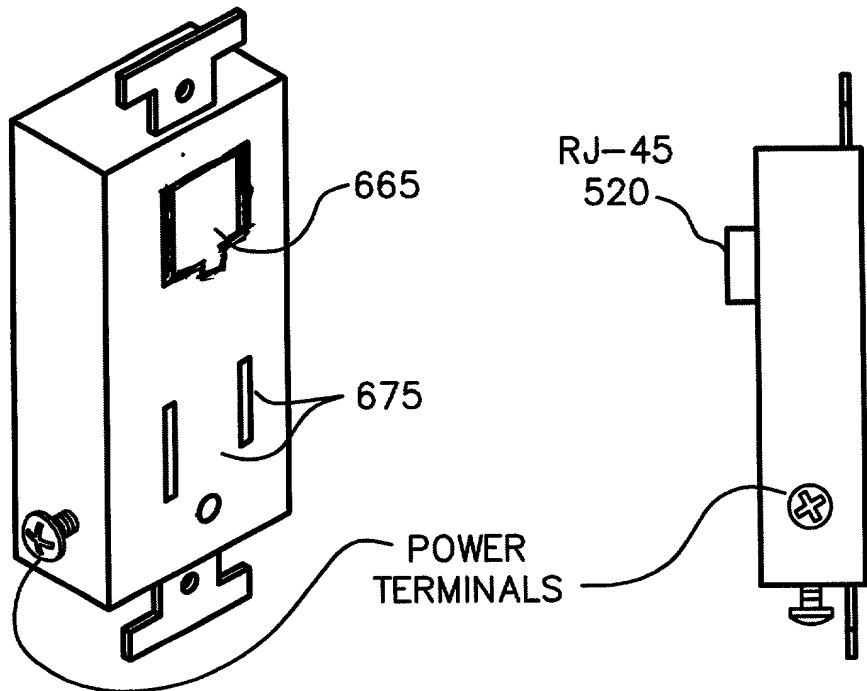


FIG. 26A



POWER CONTROL (SWITCH OR DIMMER)

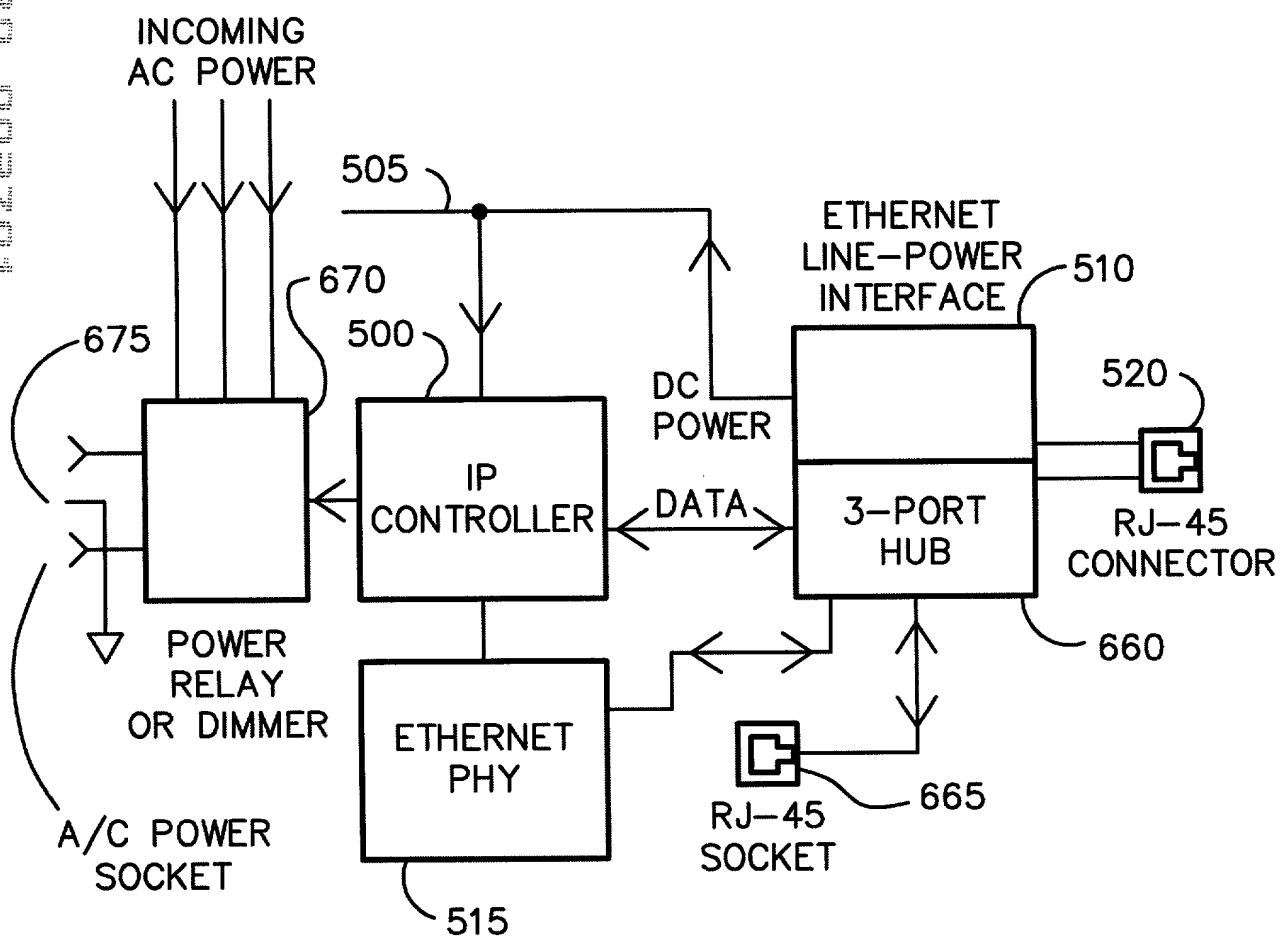
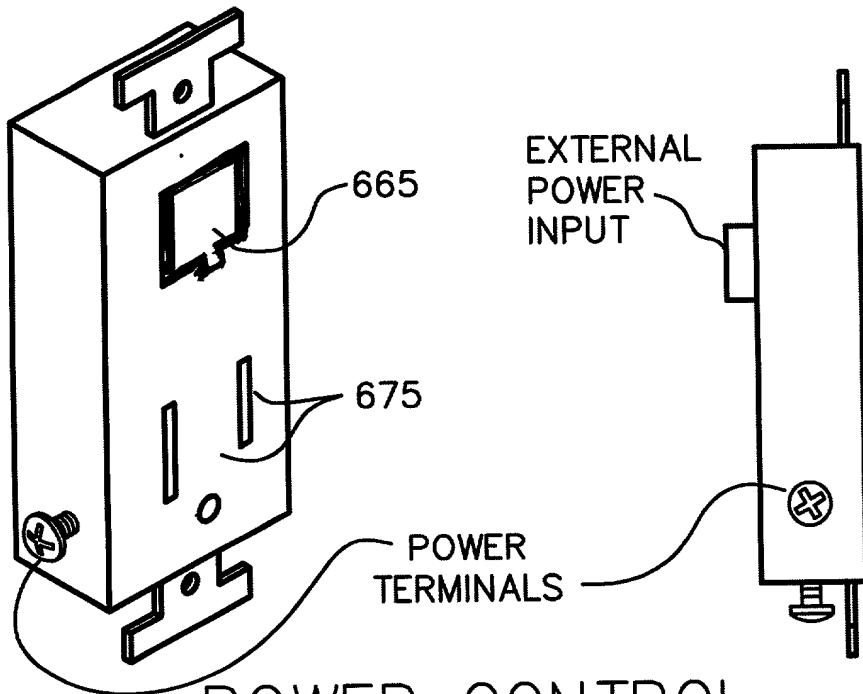


FIG. 27



POWER CONTROL (SWITCH OR DIMMER)

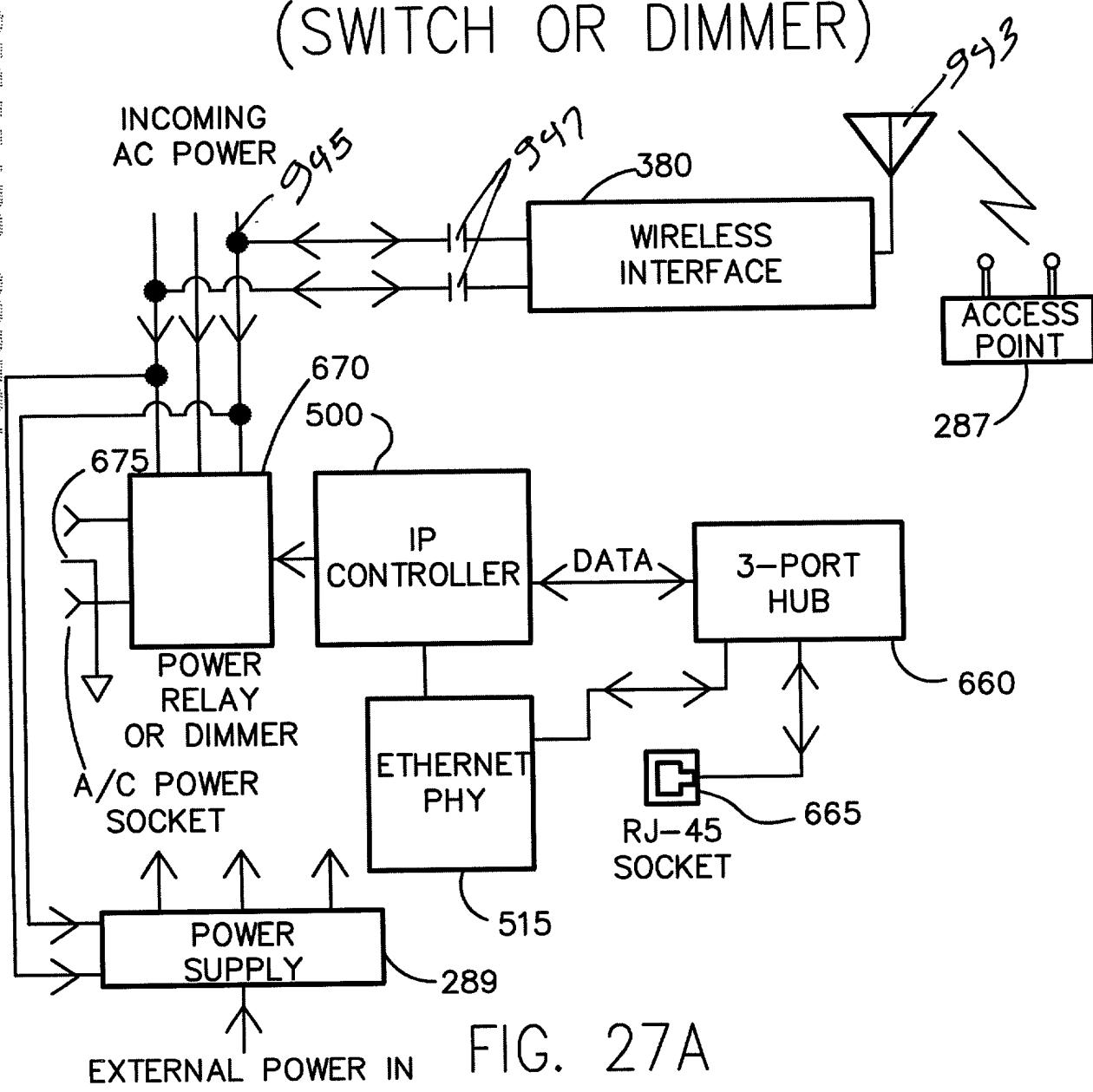
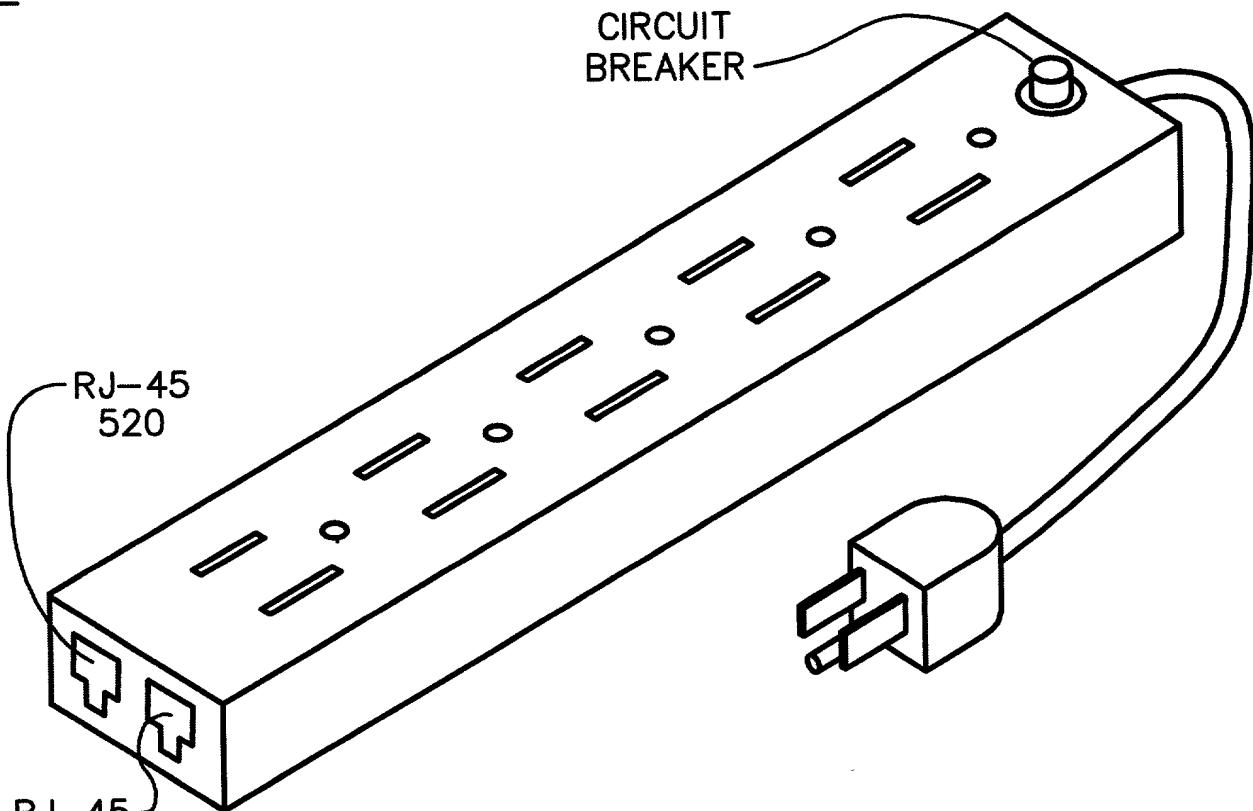


FIG. 27A



MUTI-POWER CONTROL MULTIPLE SWITCH AND/OR DIMMER

TOP SECRET//REF ID: A6560

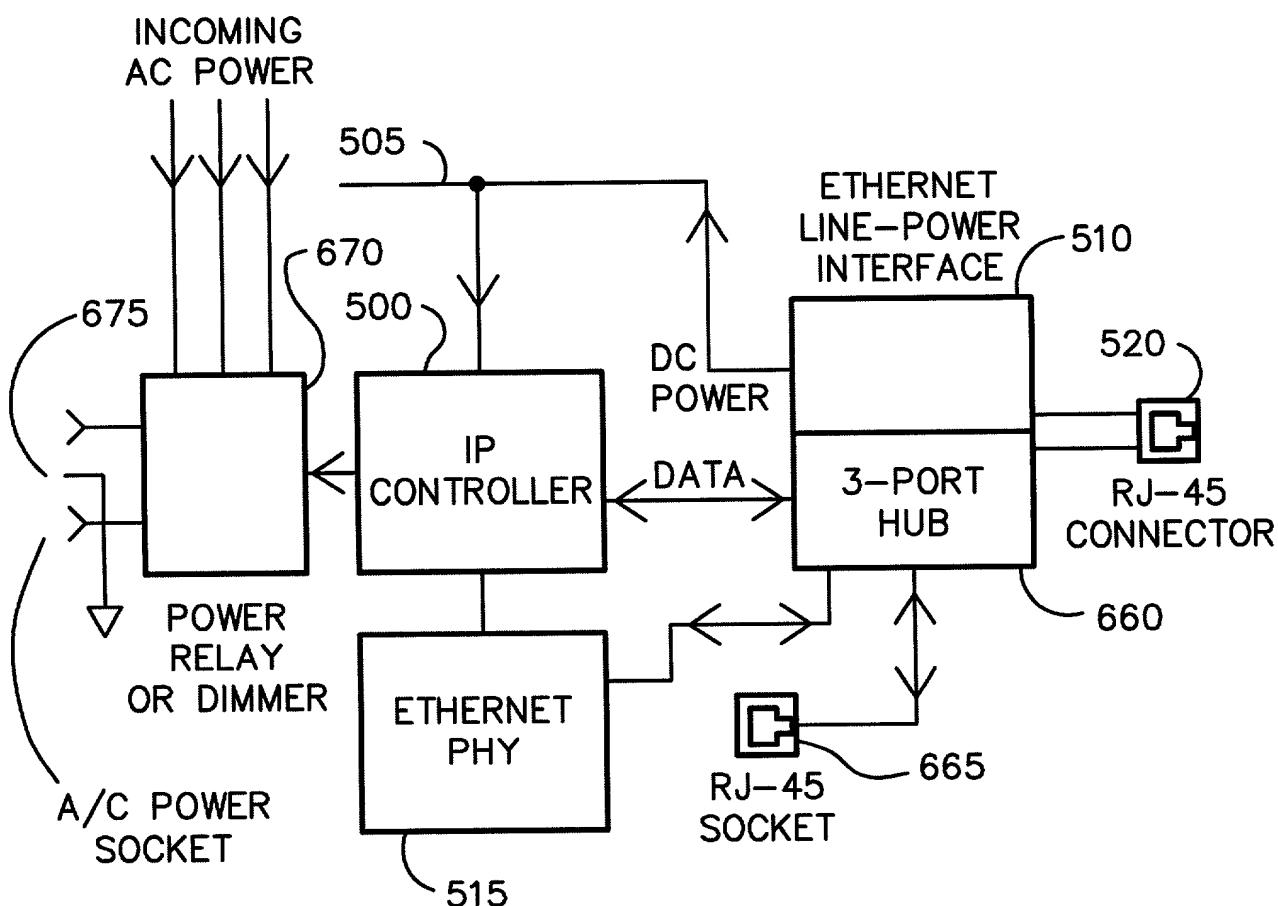
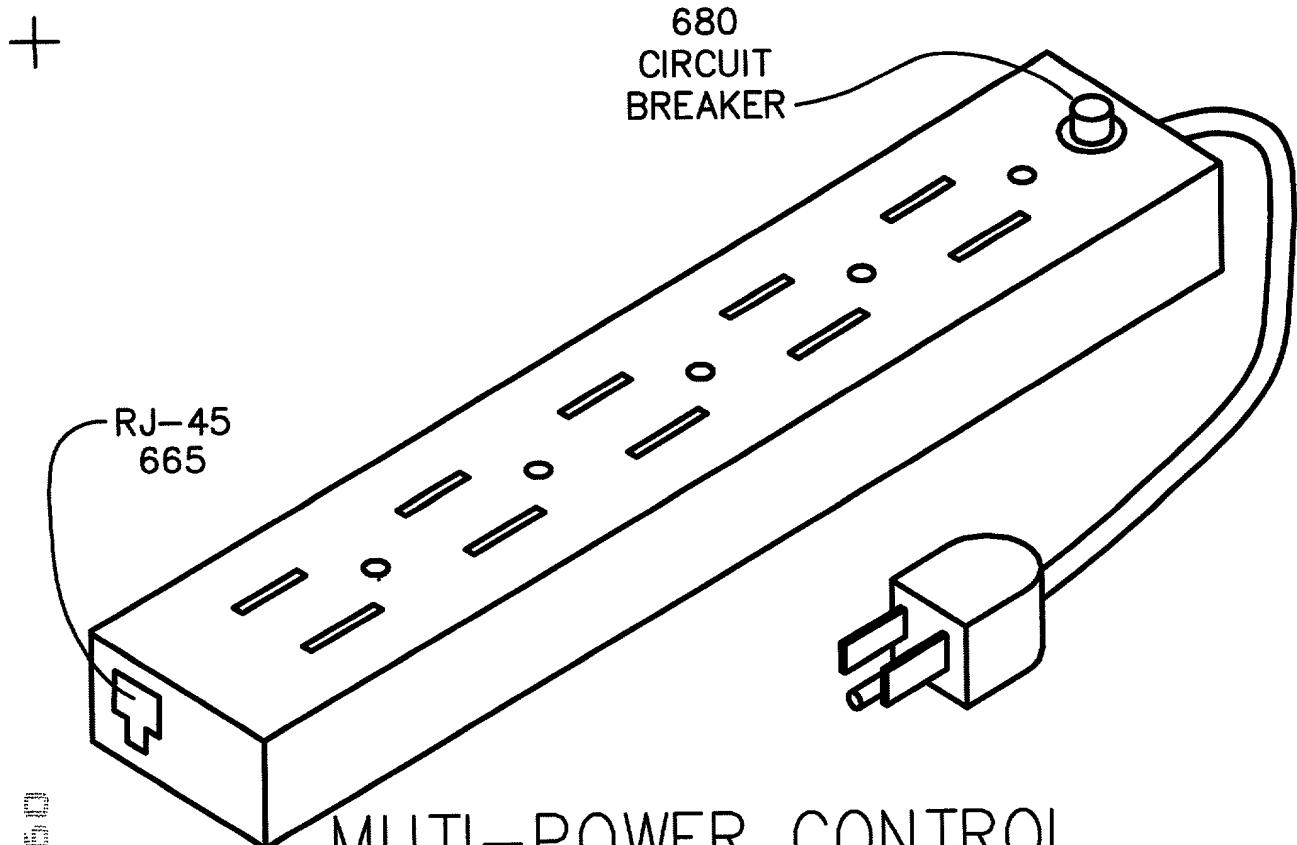


FIG. 28

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MUTI-POWER CONTROL MULTIPLE SWITCH AND/OR DIMMER

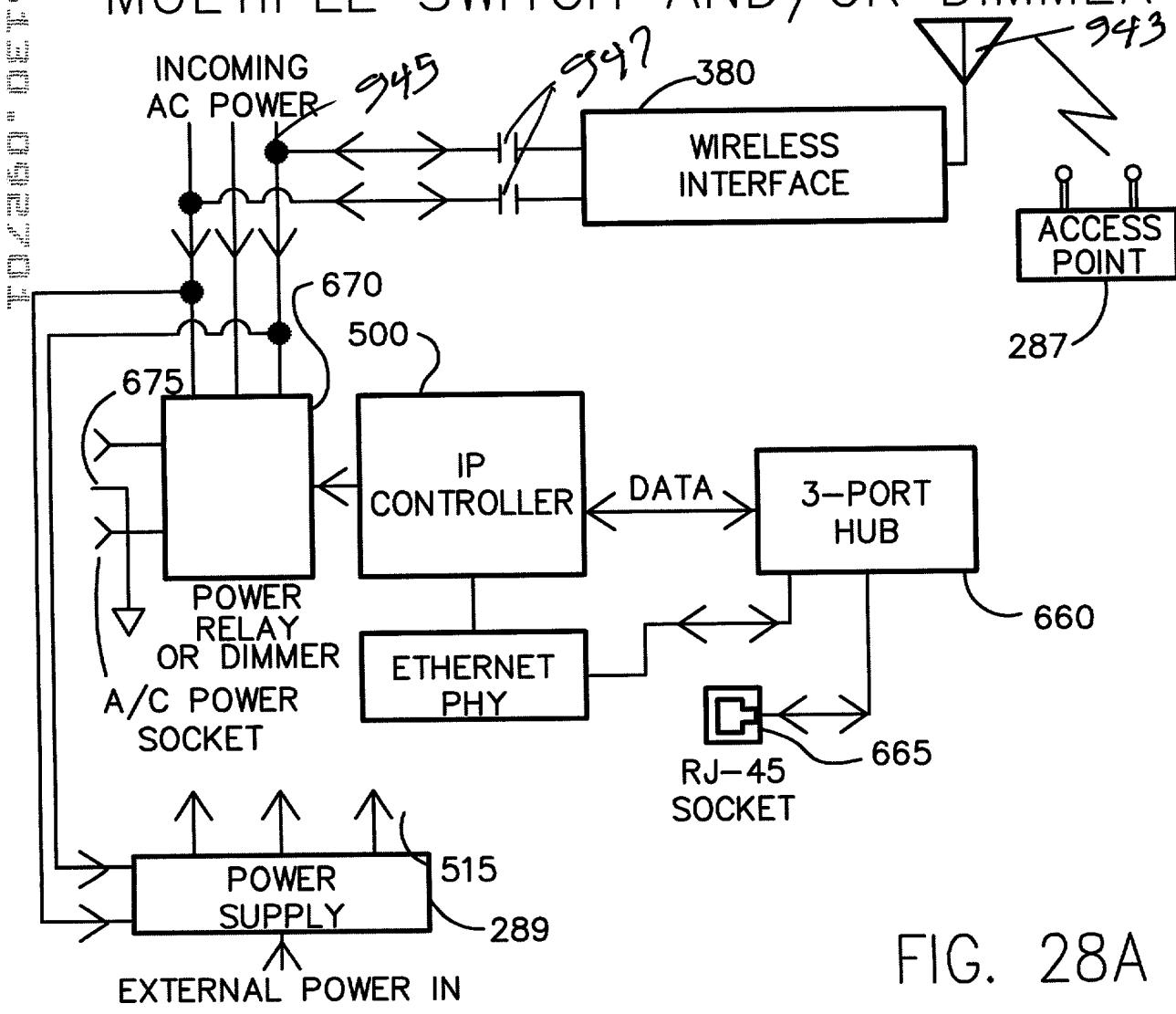
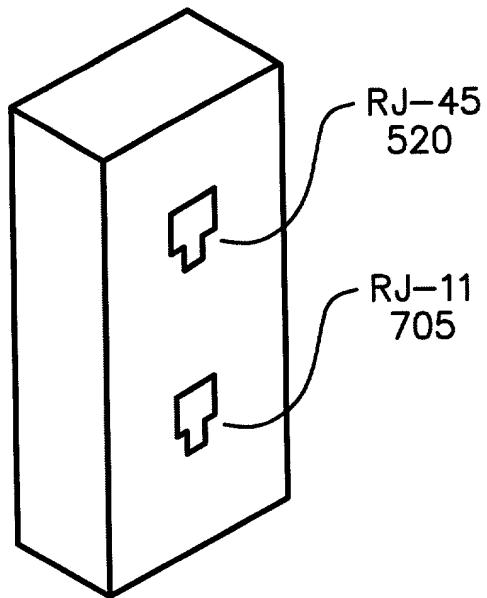


FIG. 28A



TELEPHONE DIALER/INTERFACE

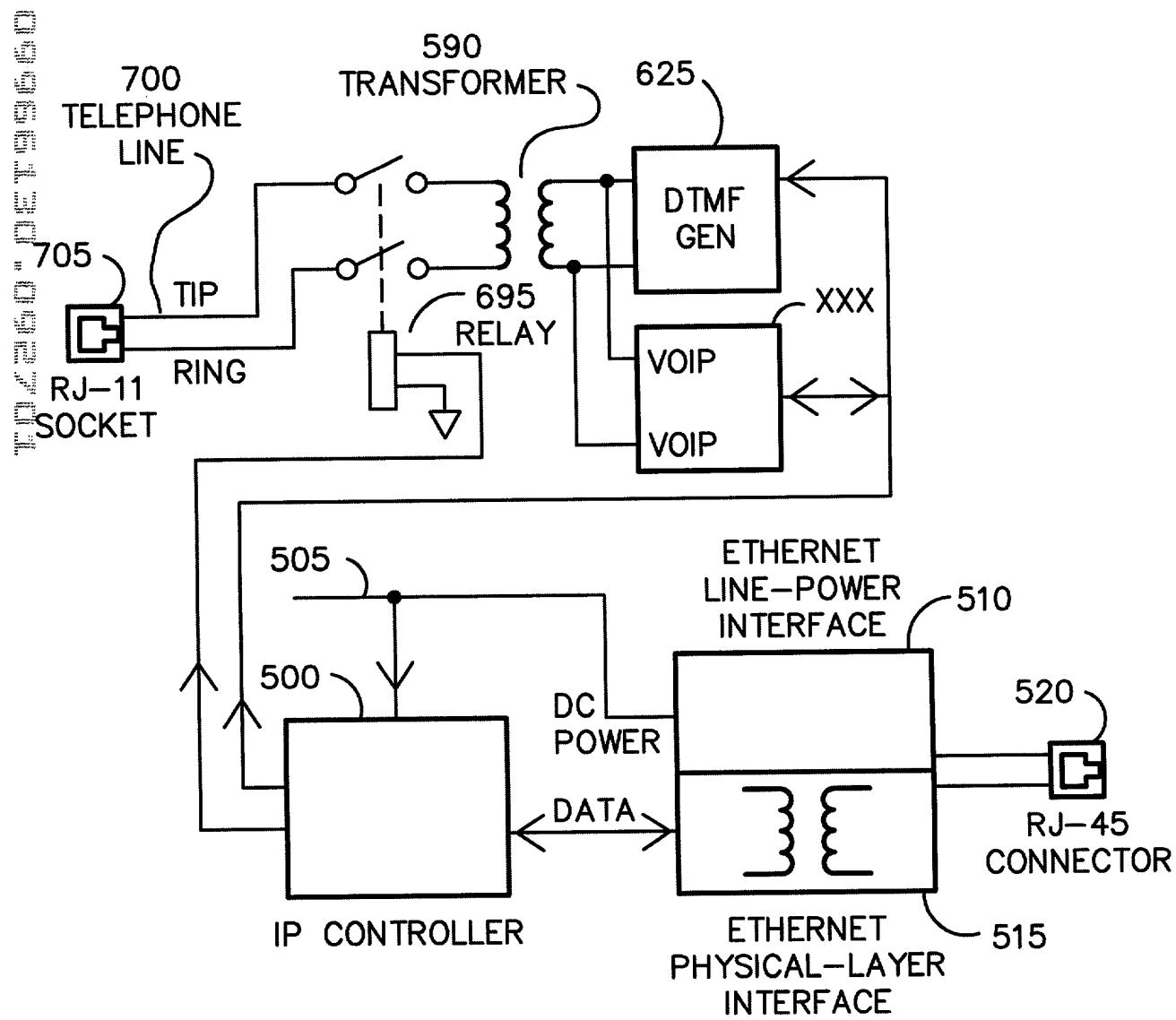
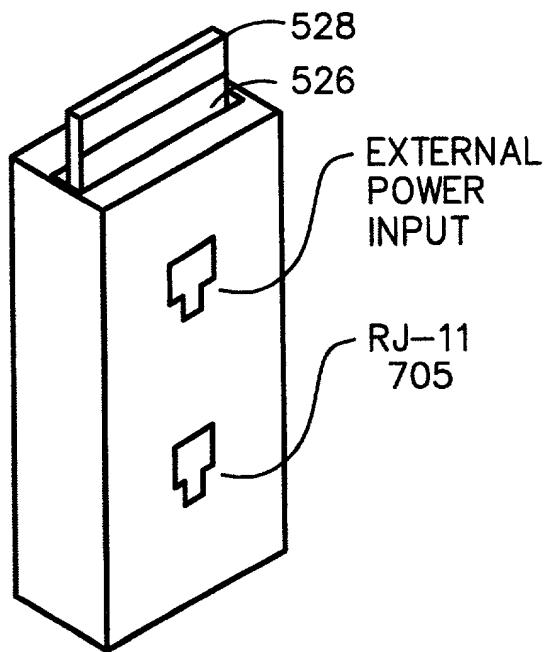
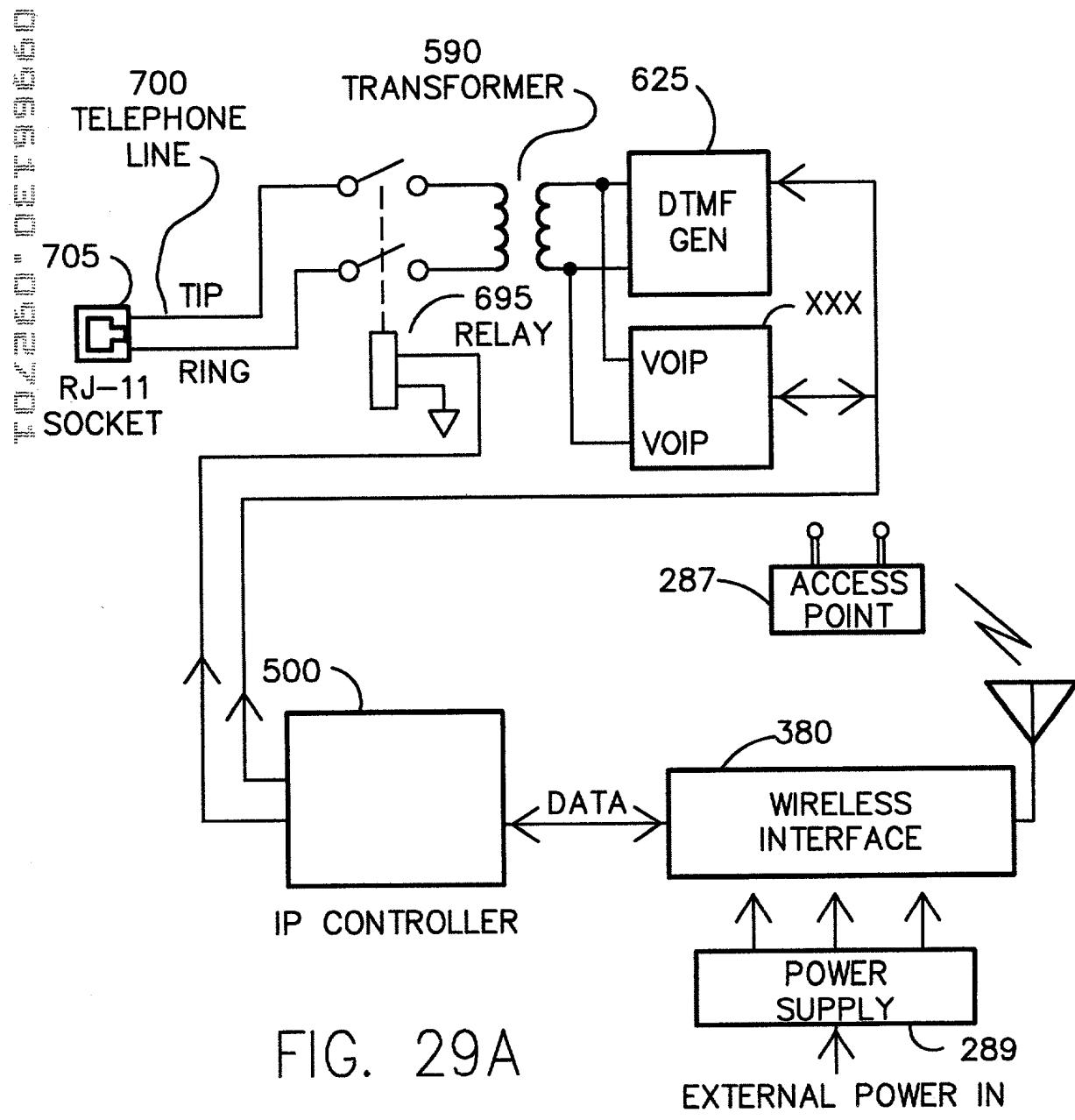
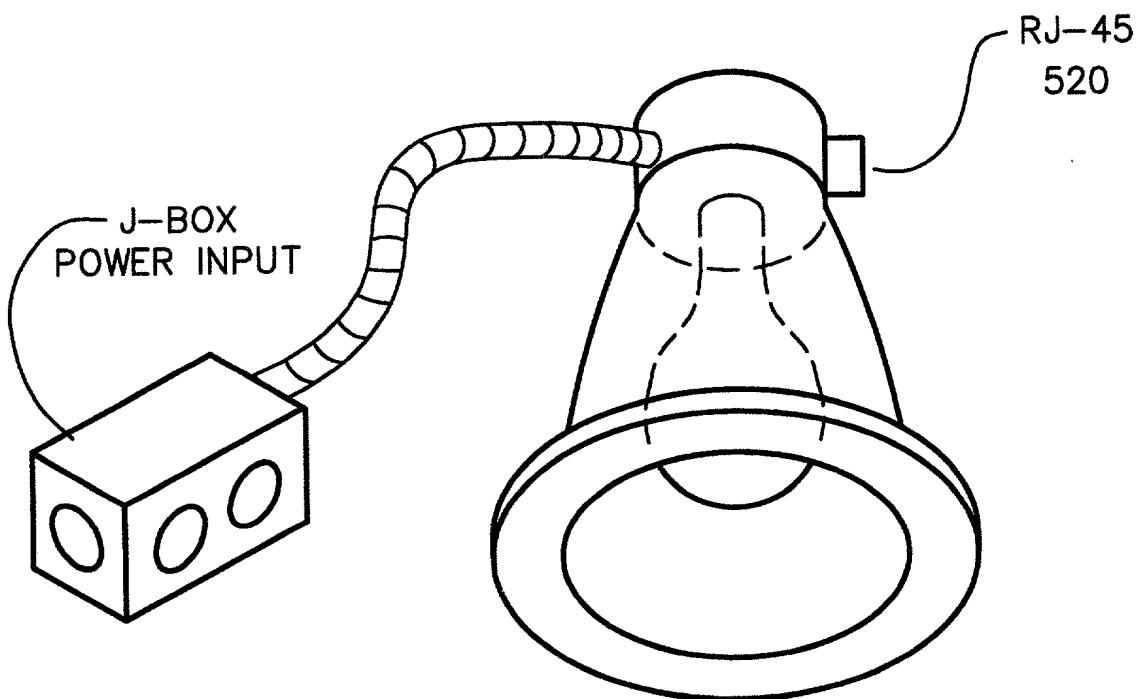


FIG. 29



TELEPHONE DIALER/INTERFACE





LIGHT FIXTURE

FIG. 26 01 02 T 99650

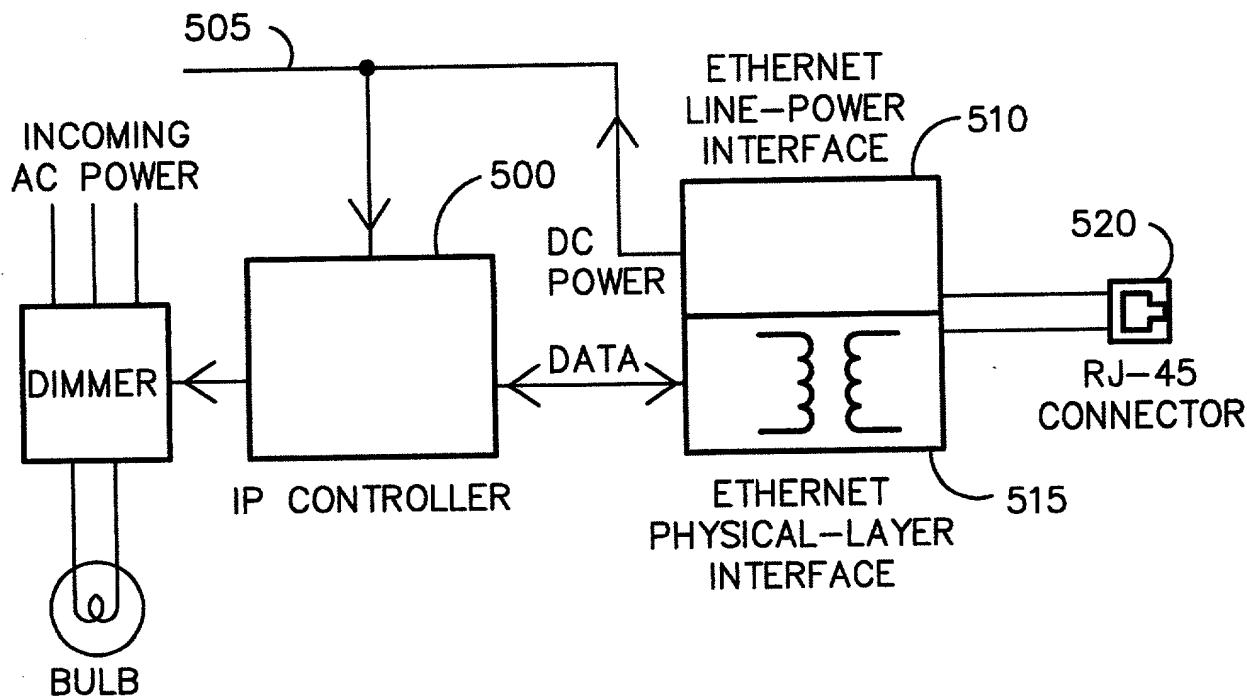
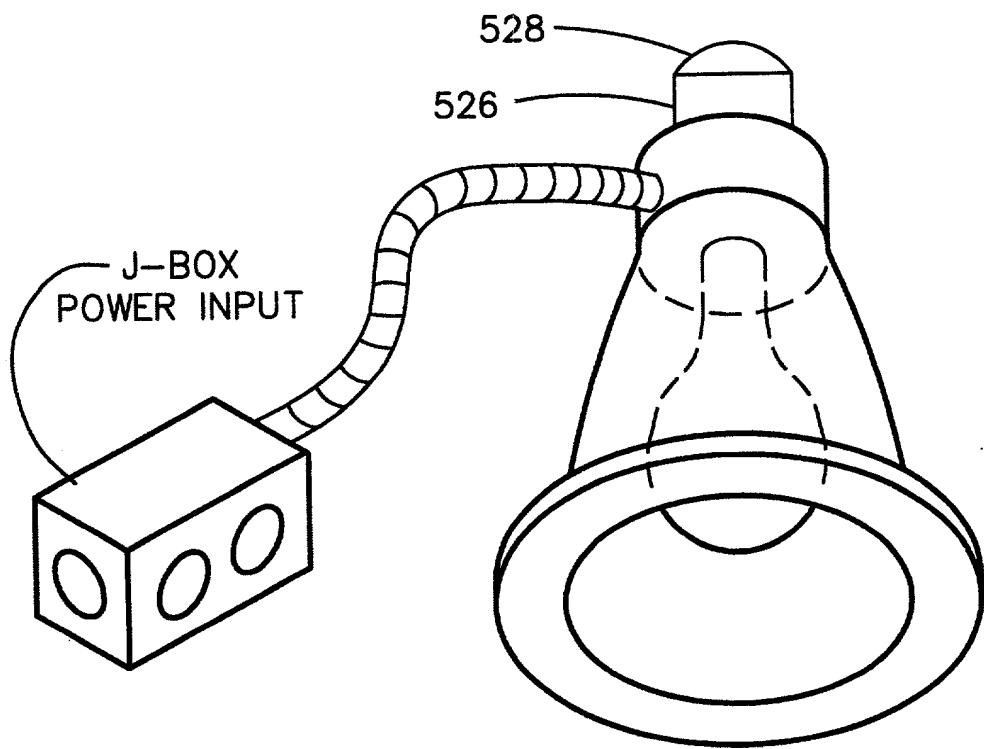


FIG. 30

+

+



LIGHT FIXTURE

TO SPECIFIED DRAWINGS

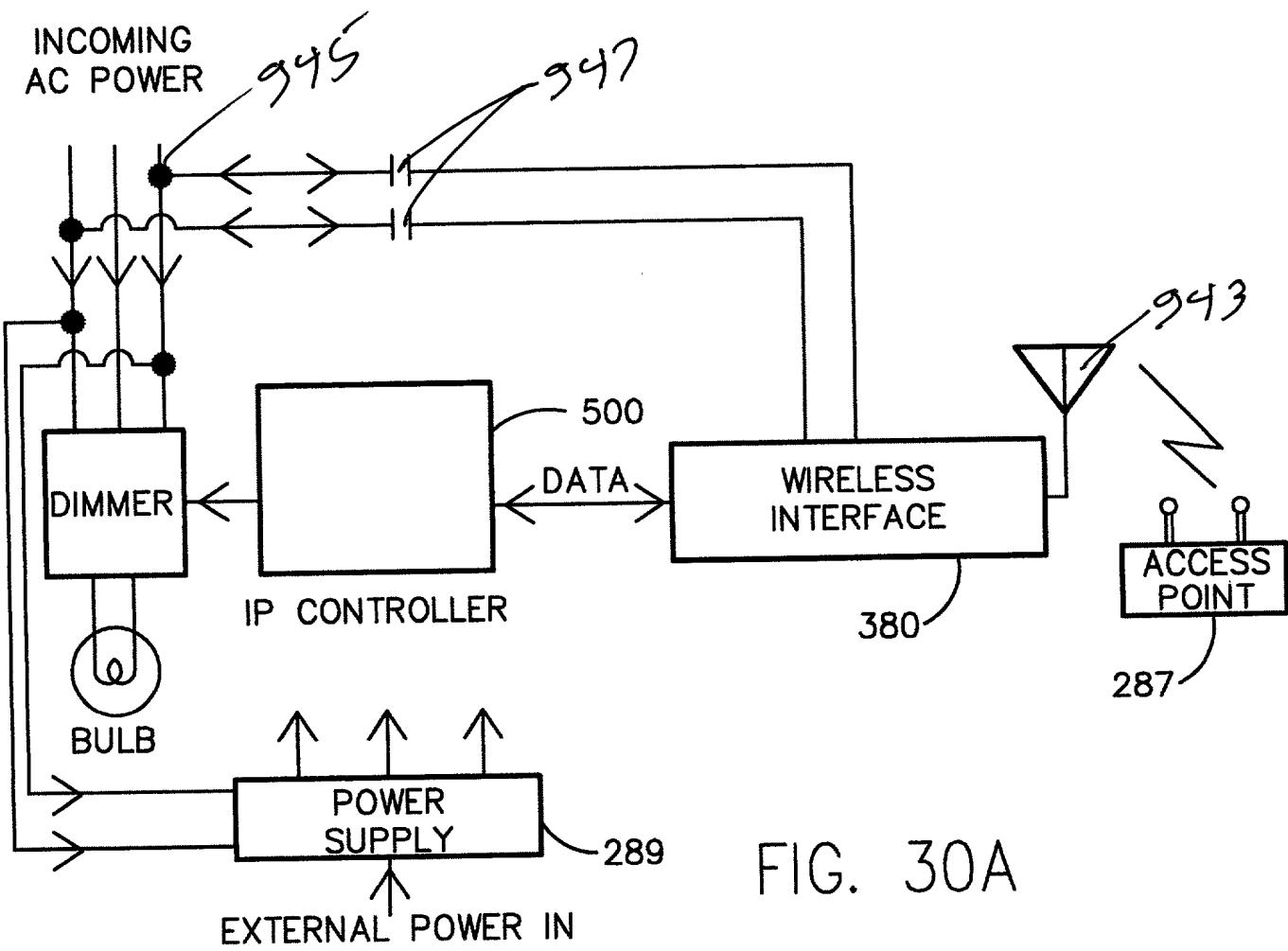
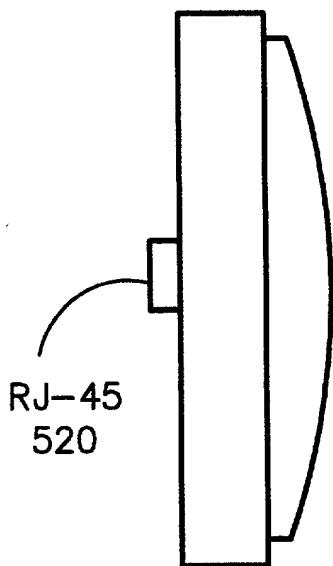
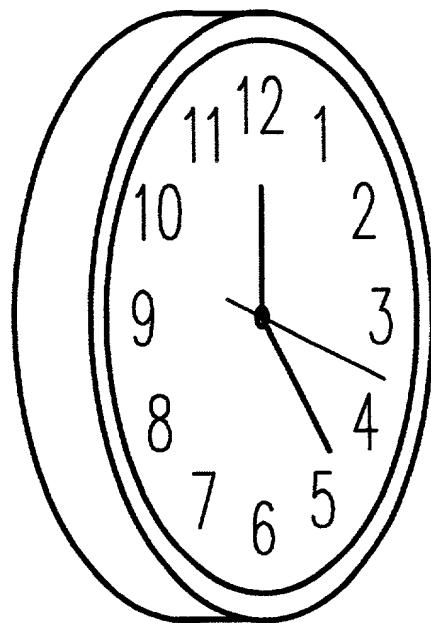


FIG. 30A

+

+



CLOCK

TOGGLE STATE = 00000000

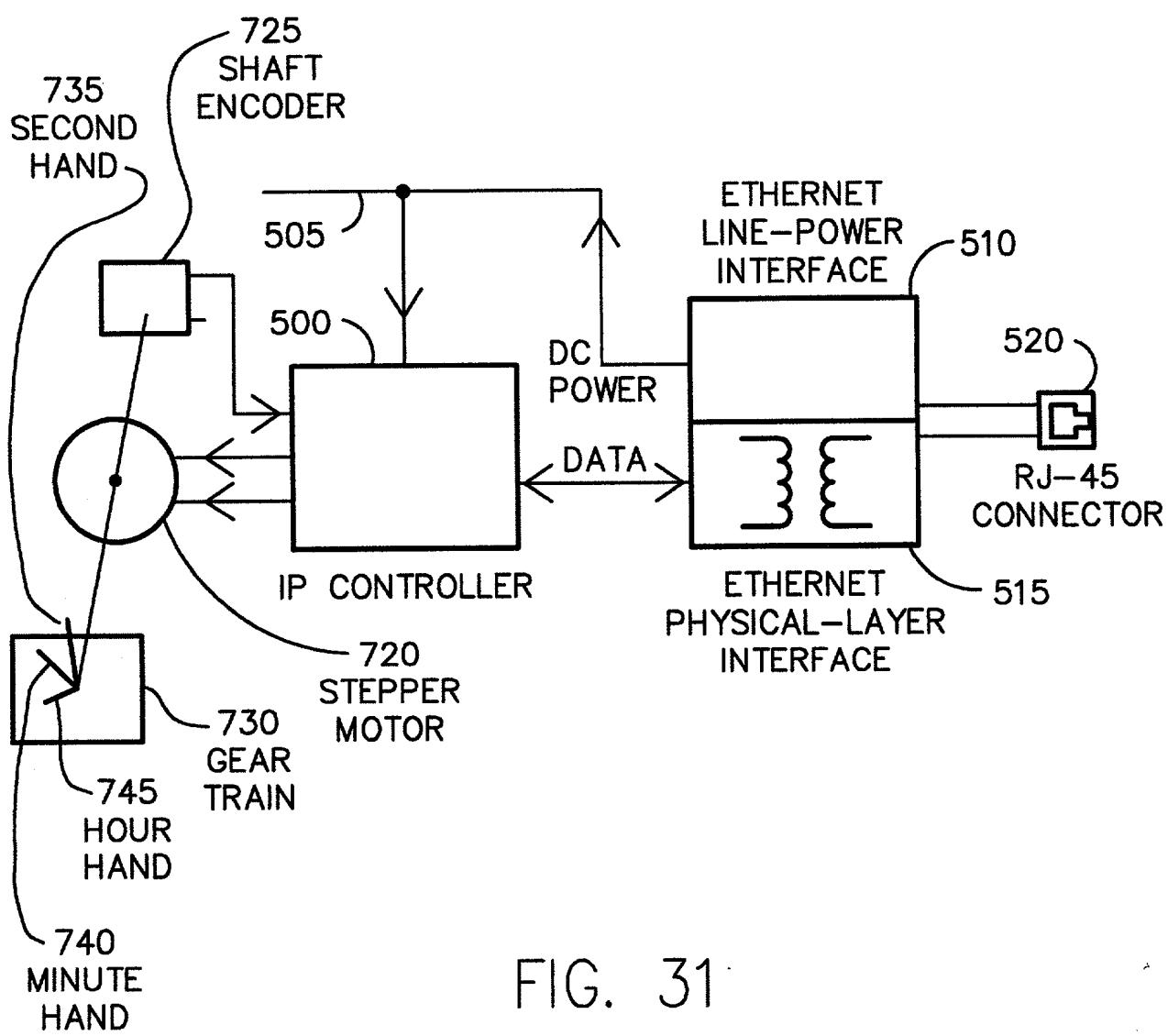
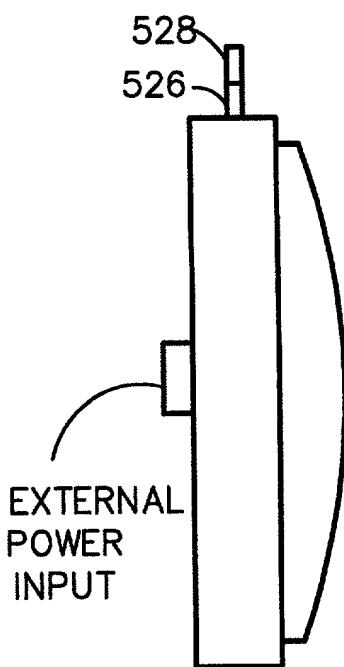
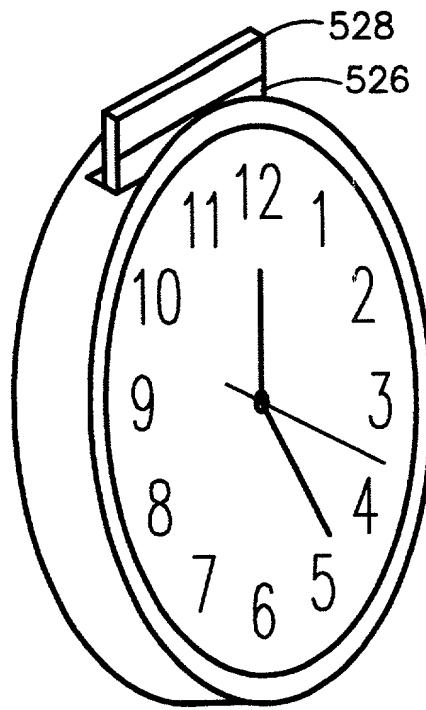


FIG. 31

+



CLOCK

TOP 260 " ONE EIGHT SIX EIGHT

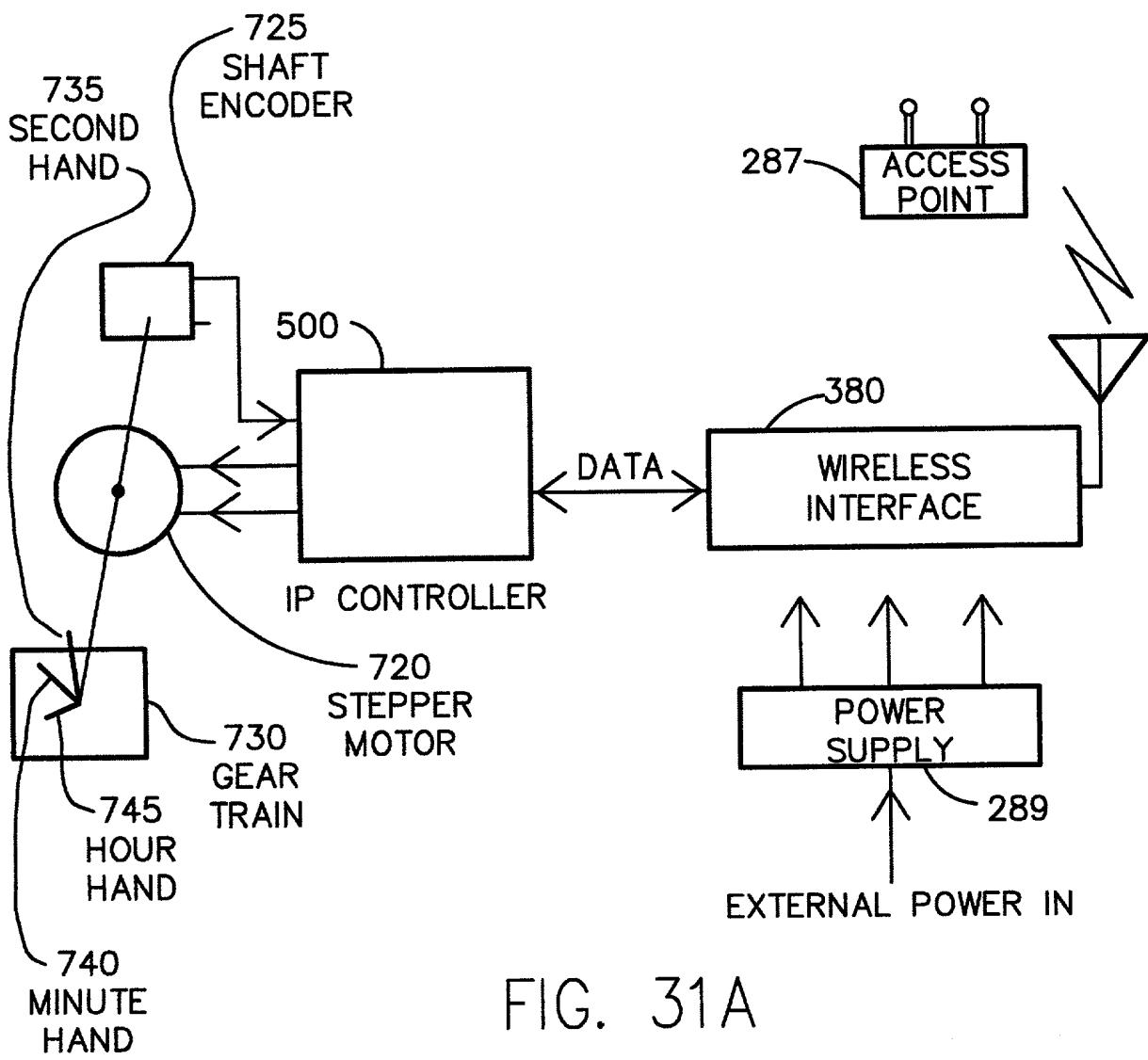


FIG. 31A

+

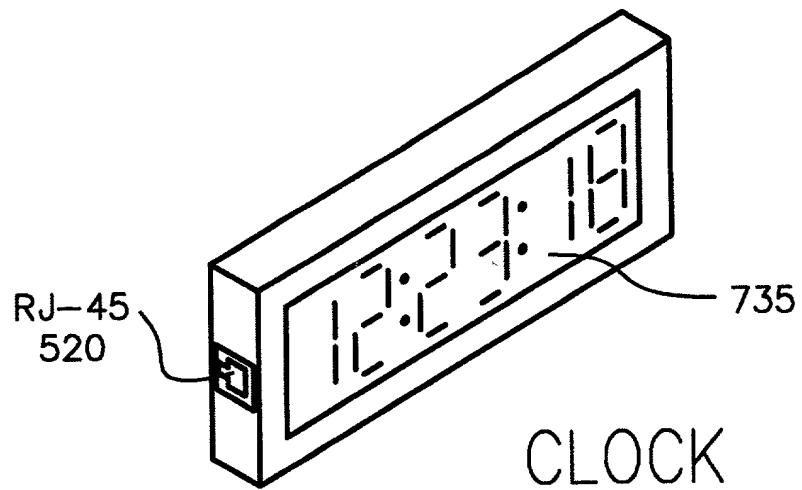


FIGURE 32 "DETECTOR"

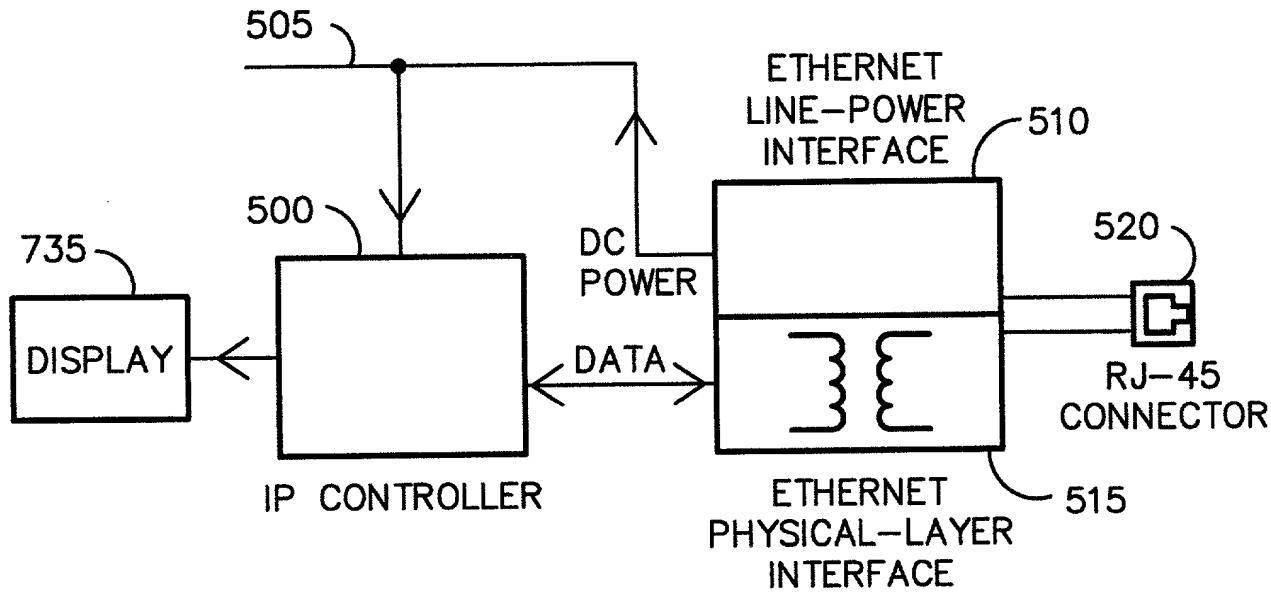
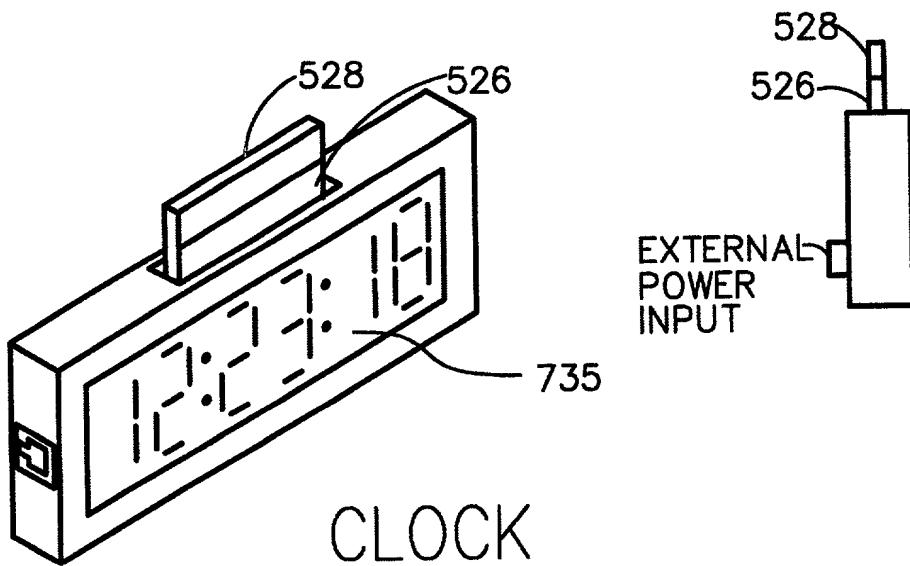


FIG. 32

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+



CLOCK

100-200-000-00000000

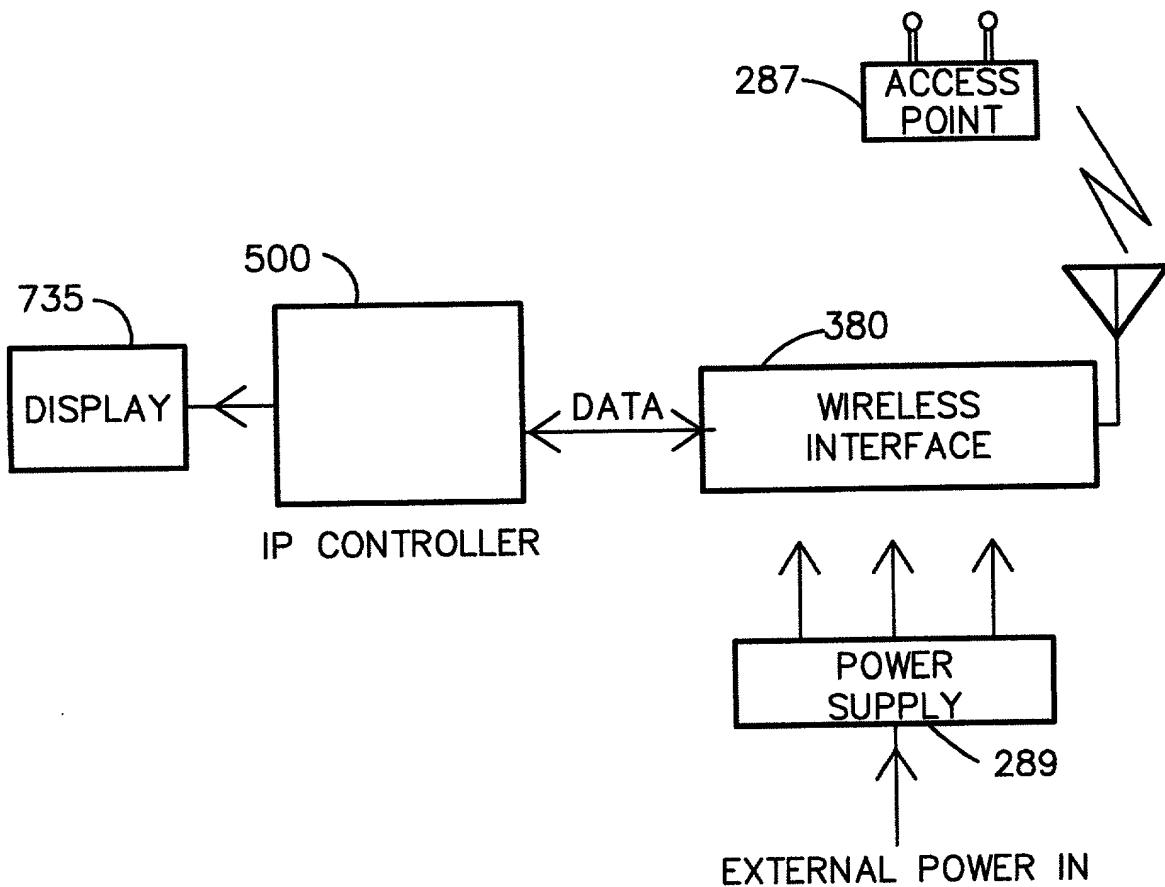
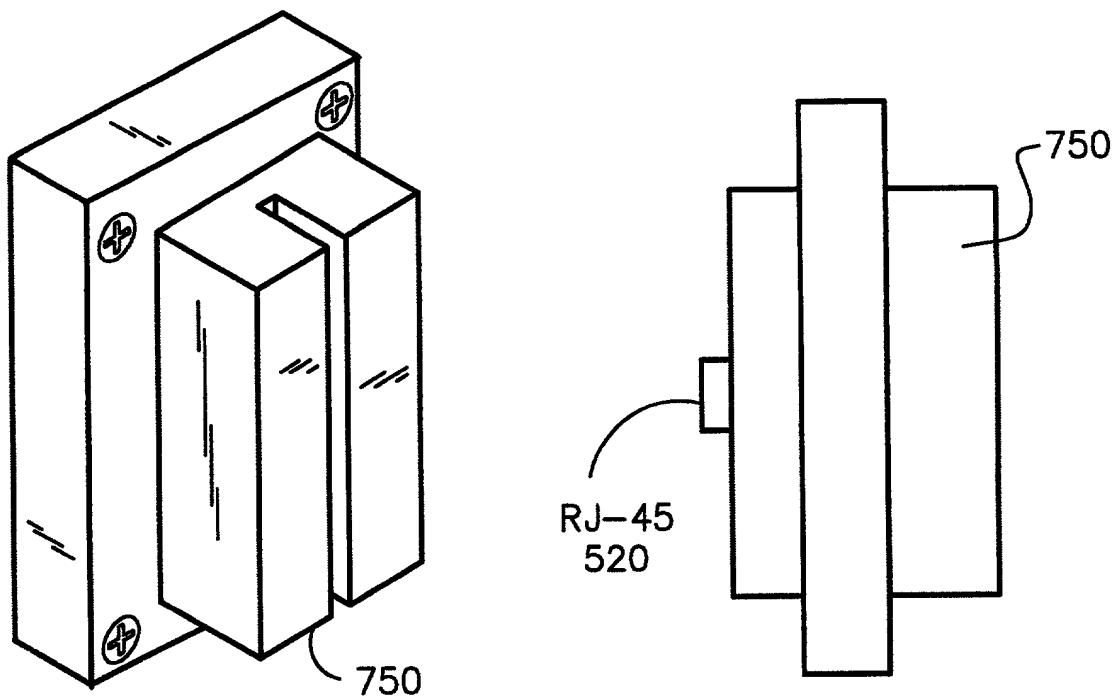


FIG. 32A

+



MAG STRIP READER

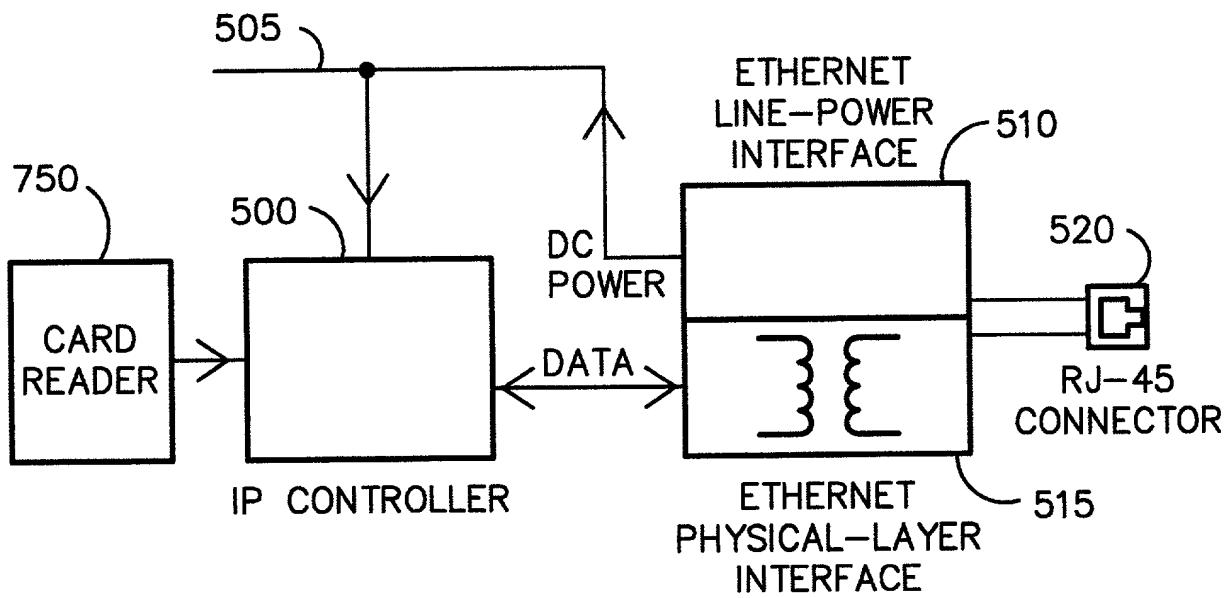
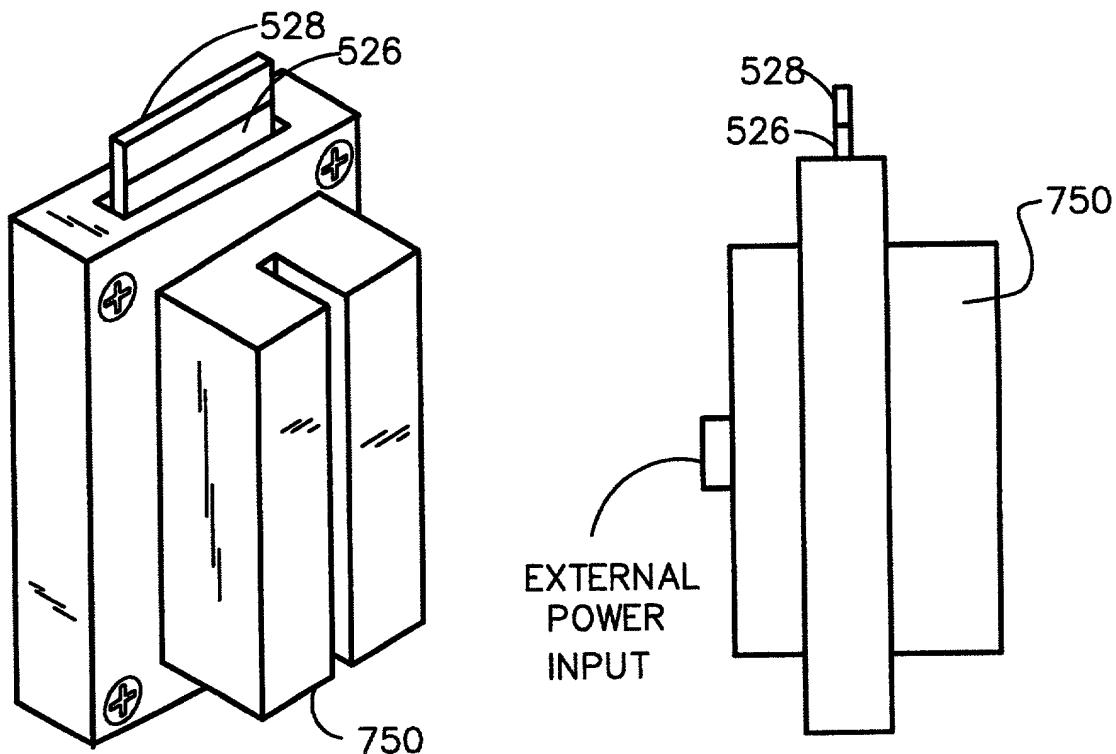
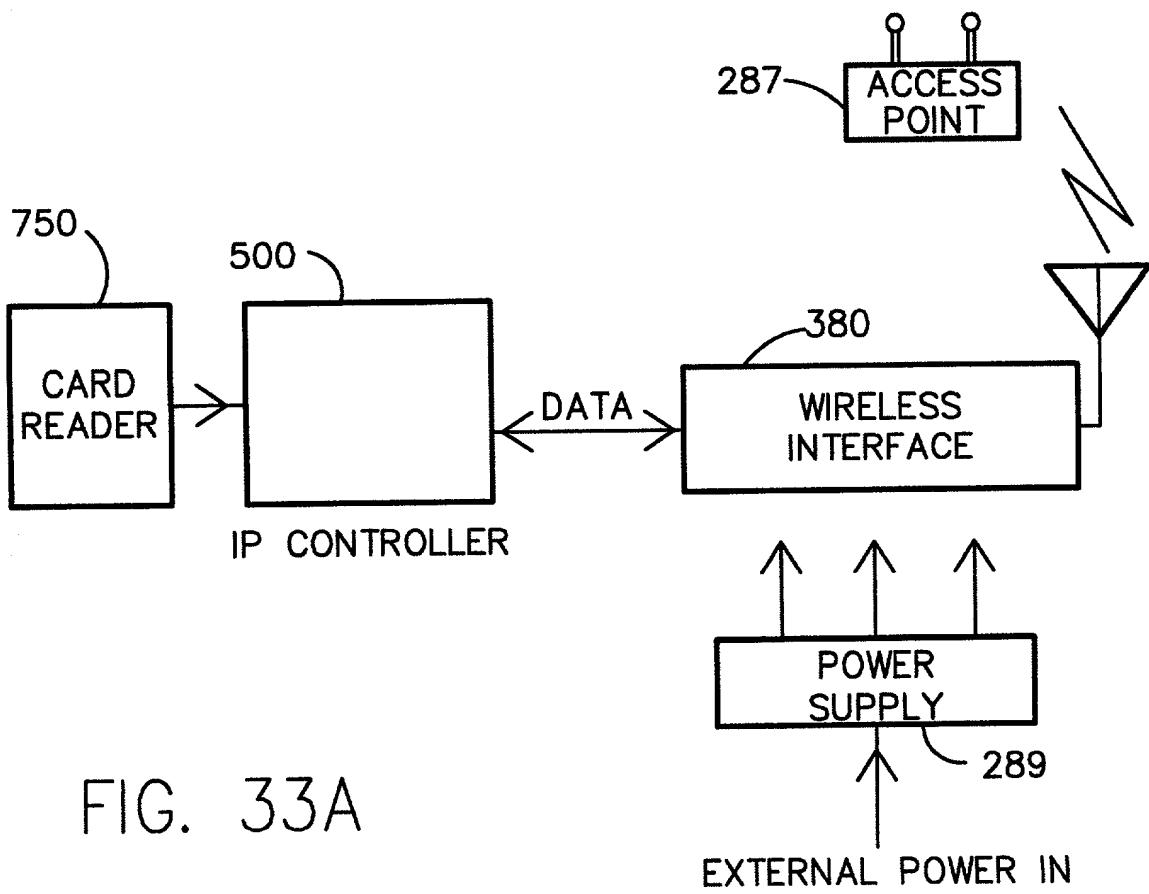
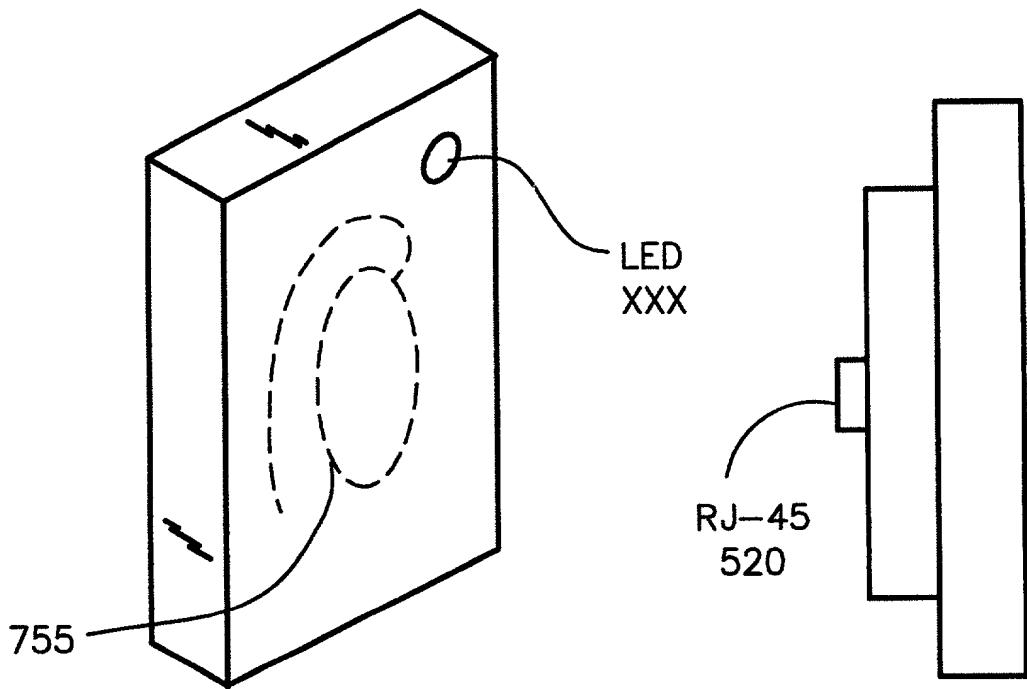


FIG. 33



MAG STRIP READER





PROXIMITY CARD READER

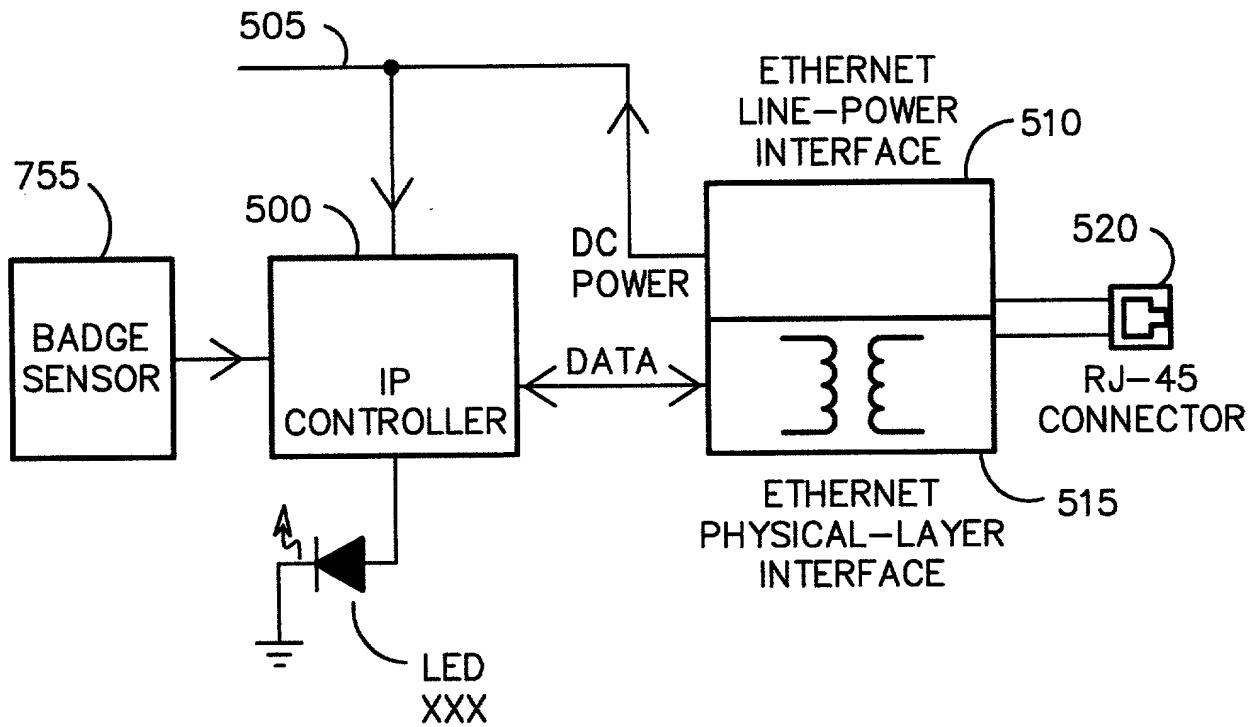
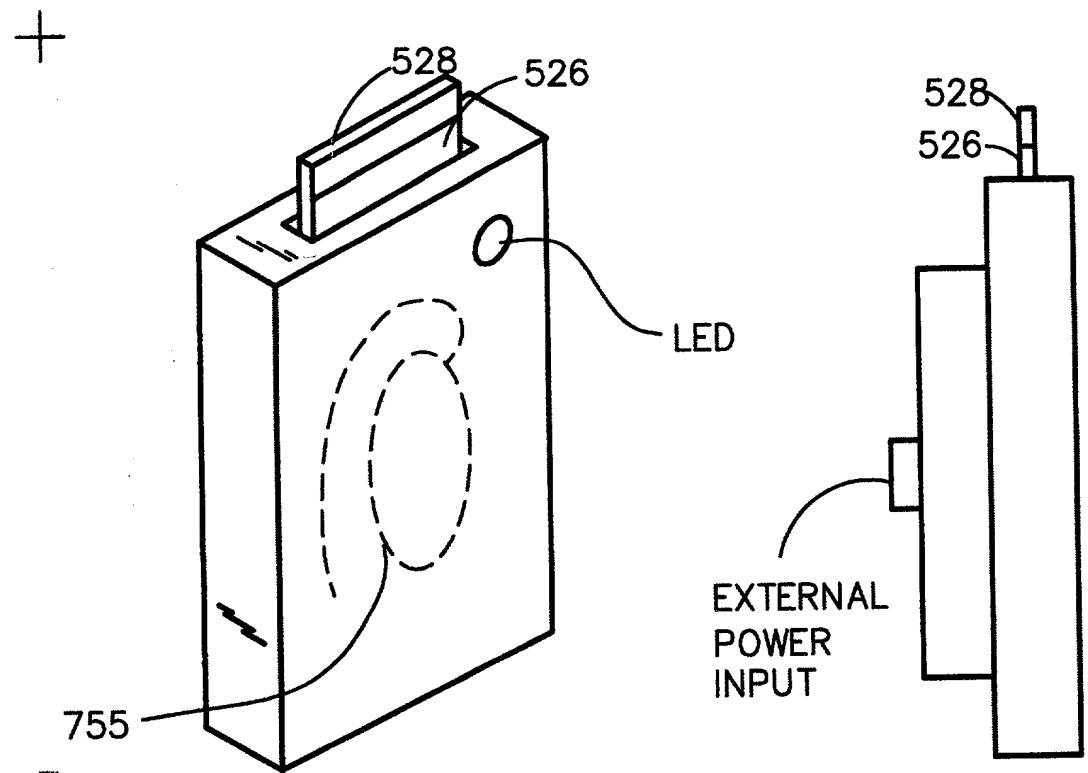


FIG. 34



PROXIMITY CARD READER

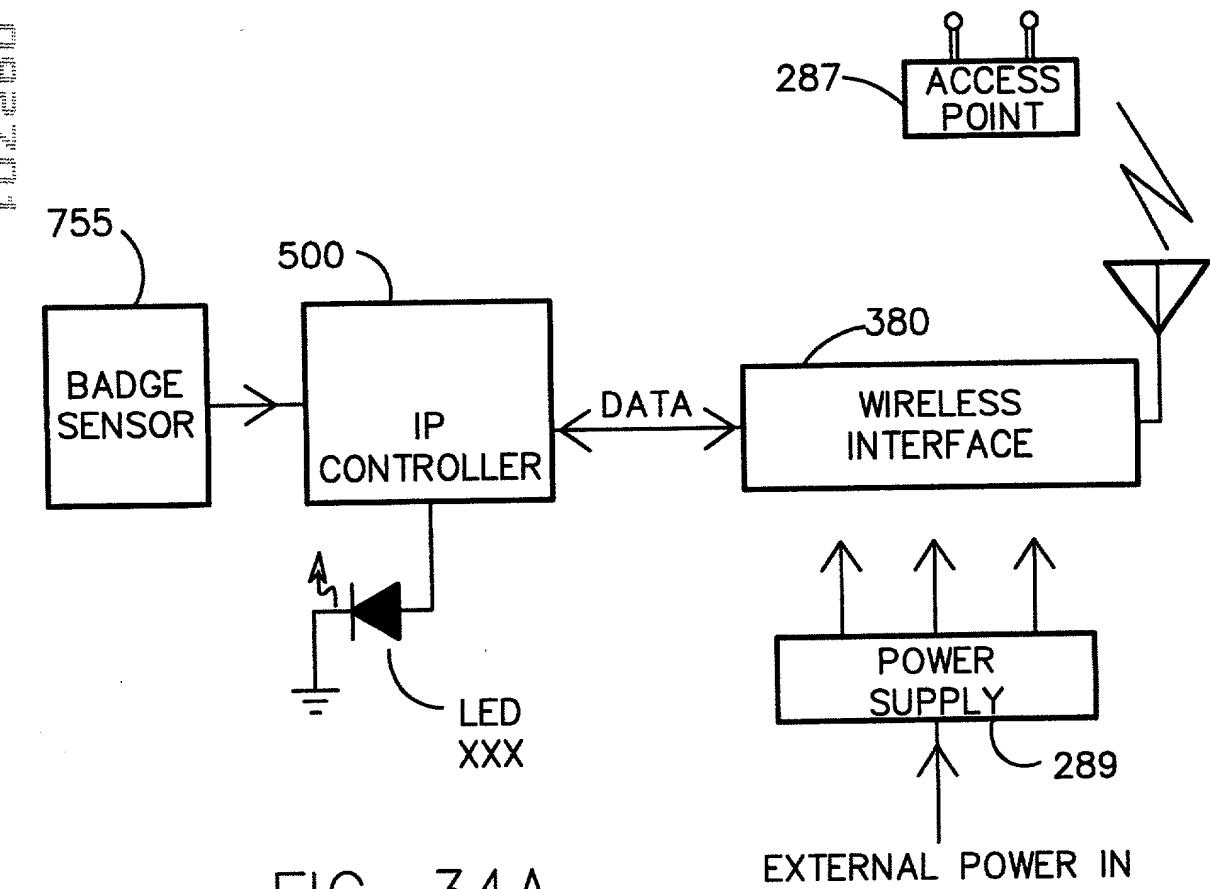


FIG. 34A

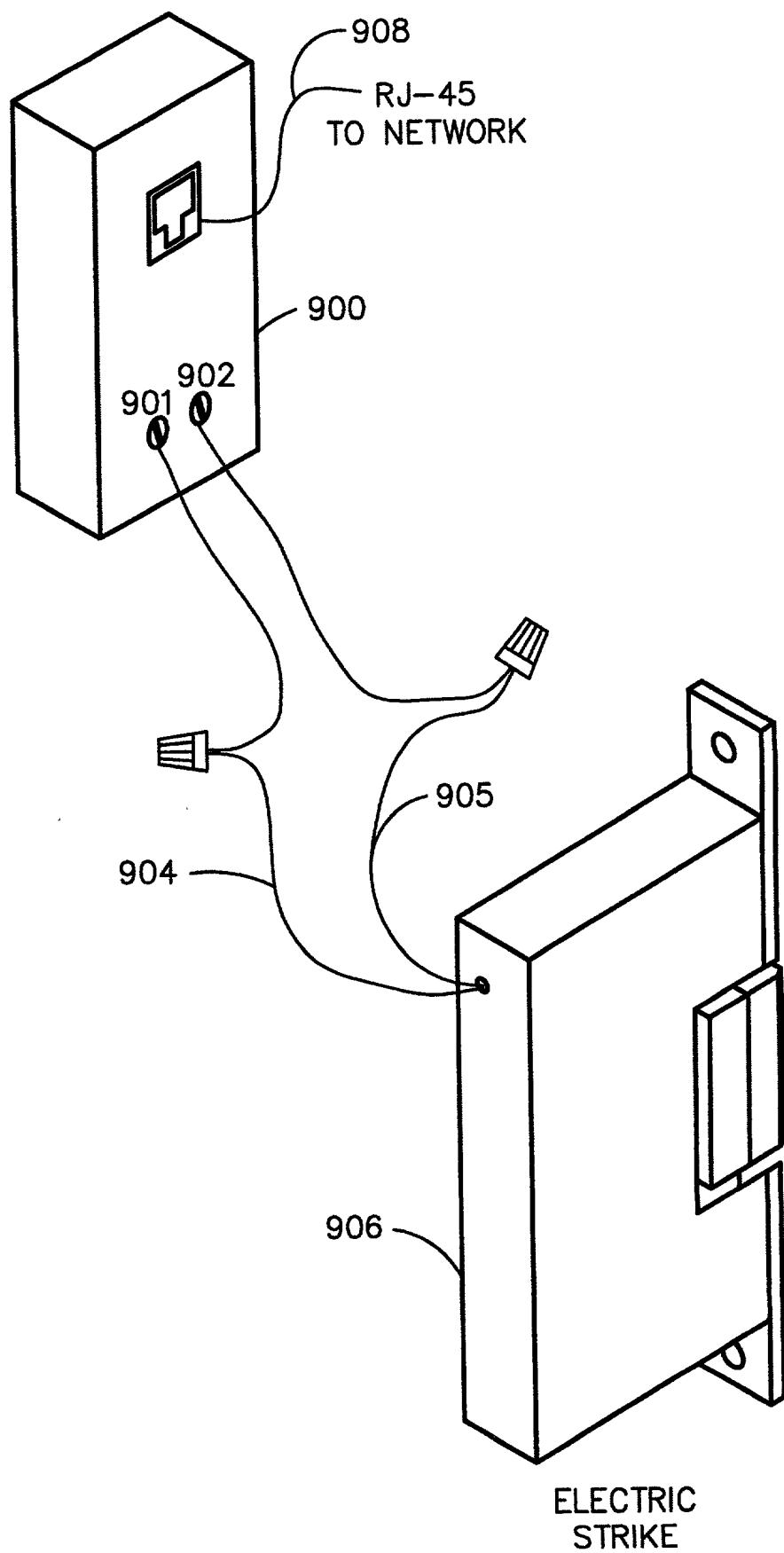


FIG. 35

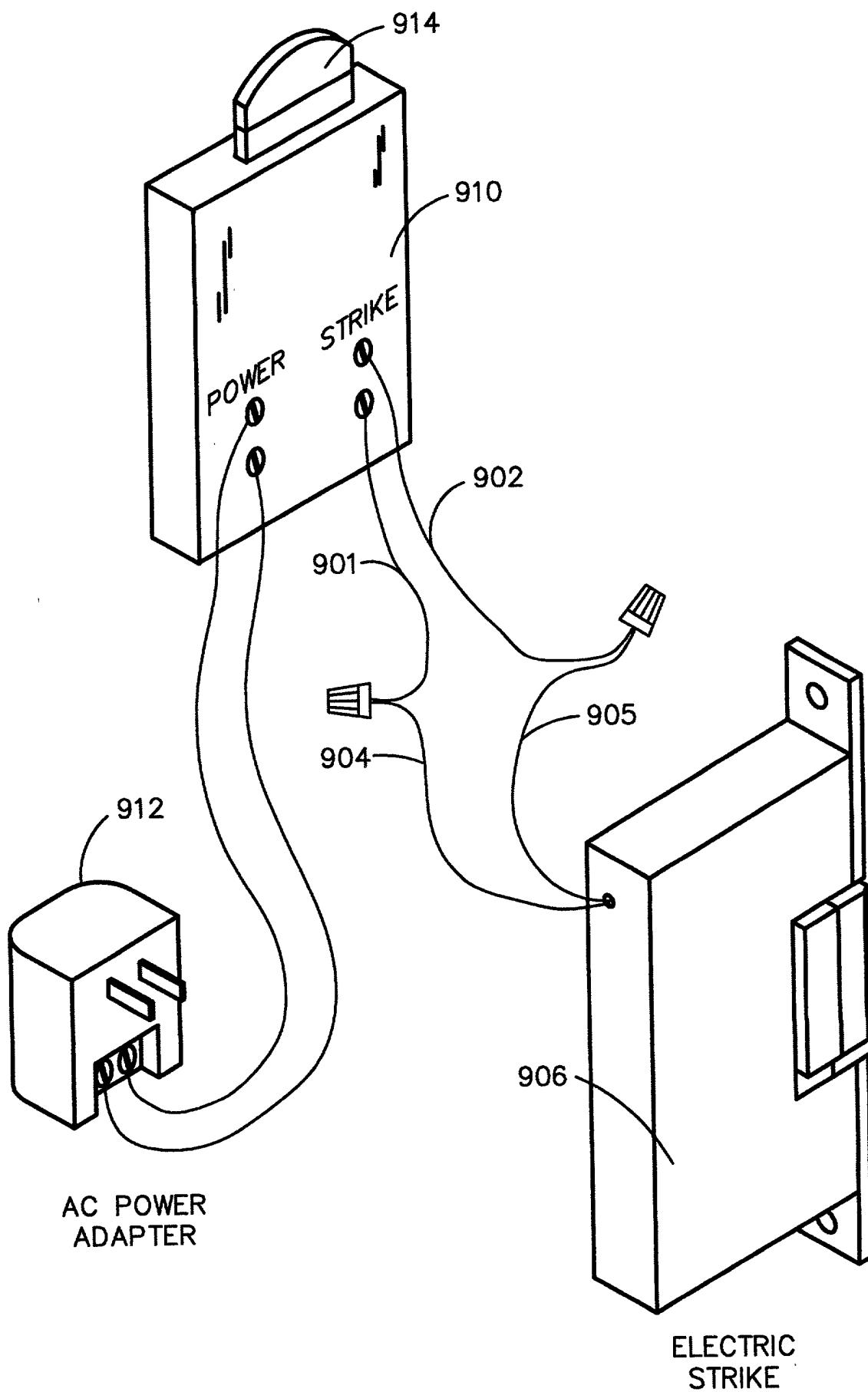


FIG. 35A

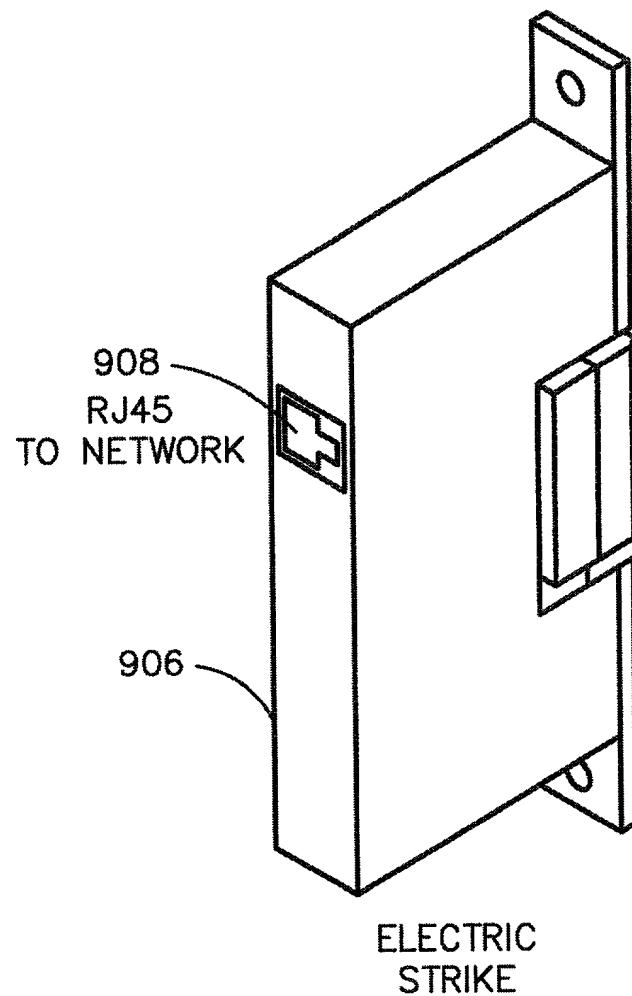


FIG. 35B

+

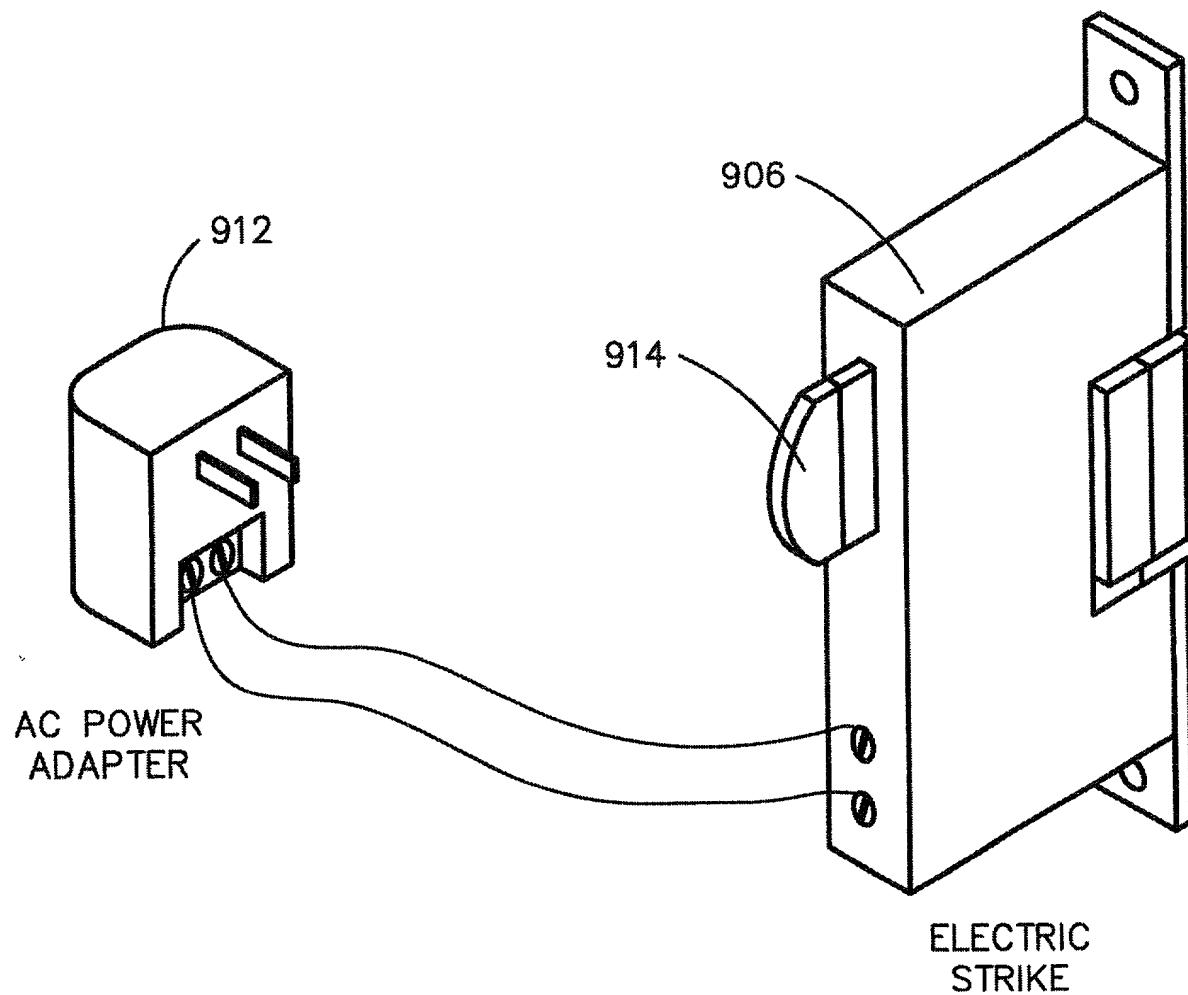


FIG. 35C

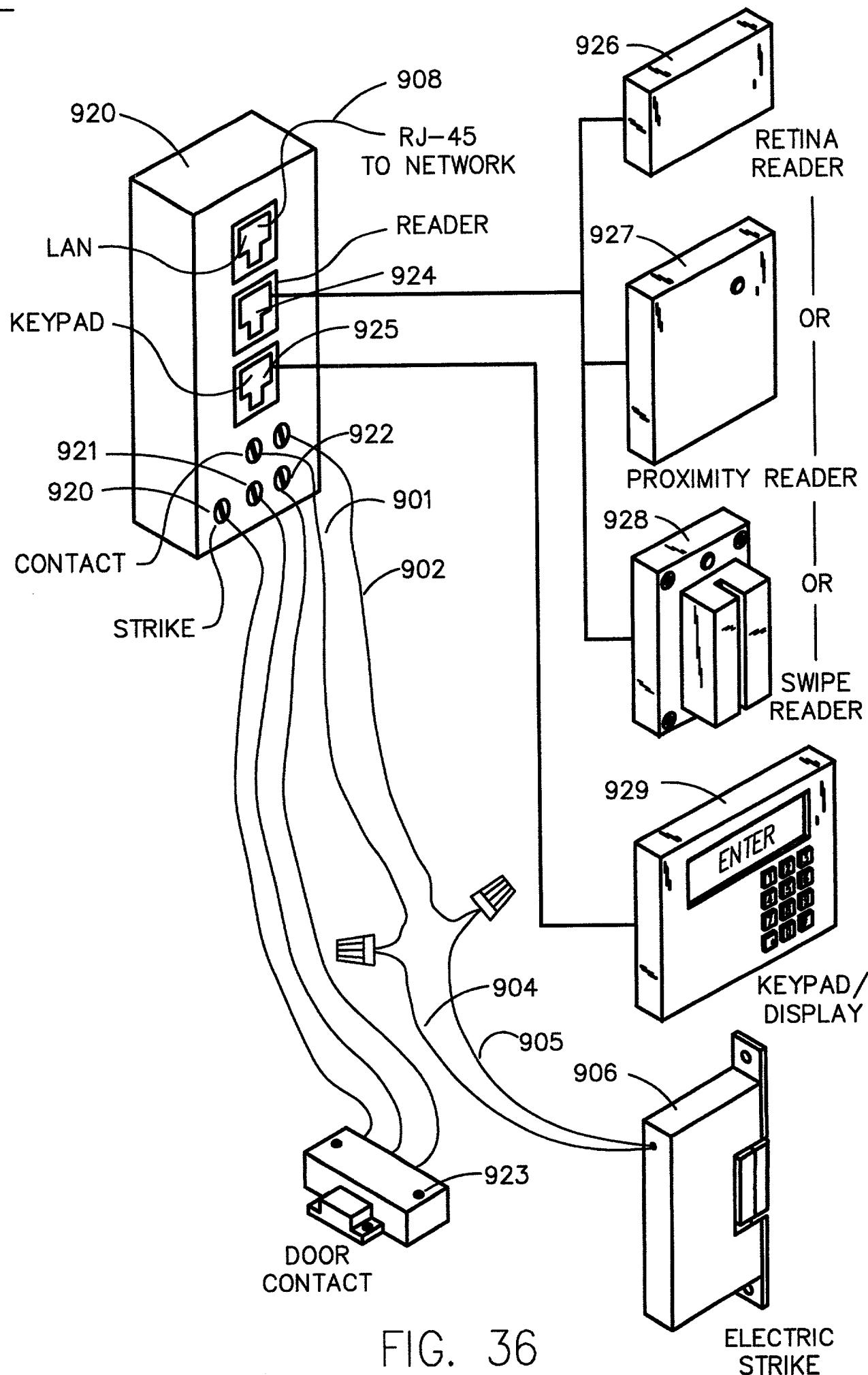
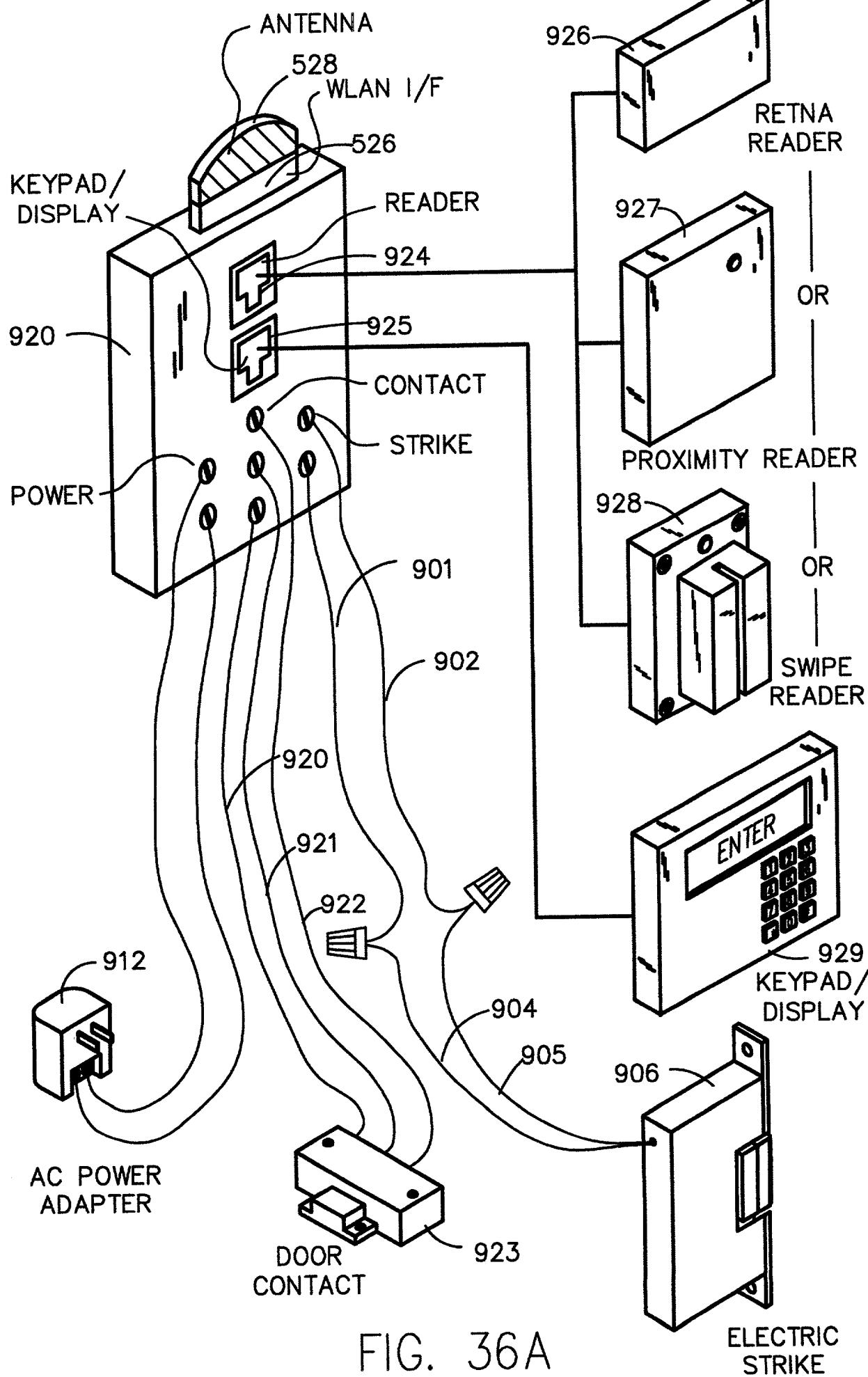


FIG. 36



+

102,650 "DIE TRIGGERS

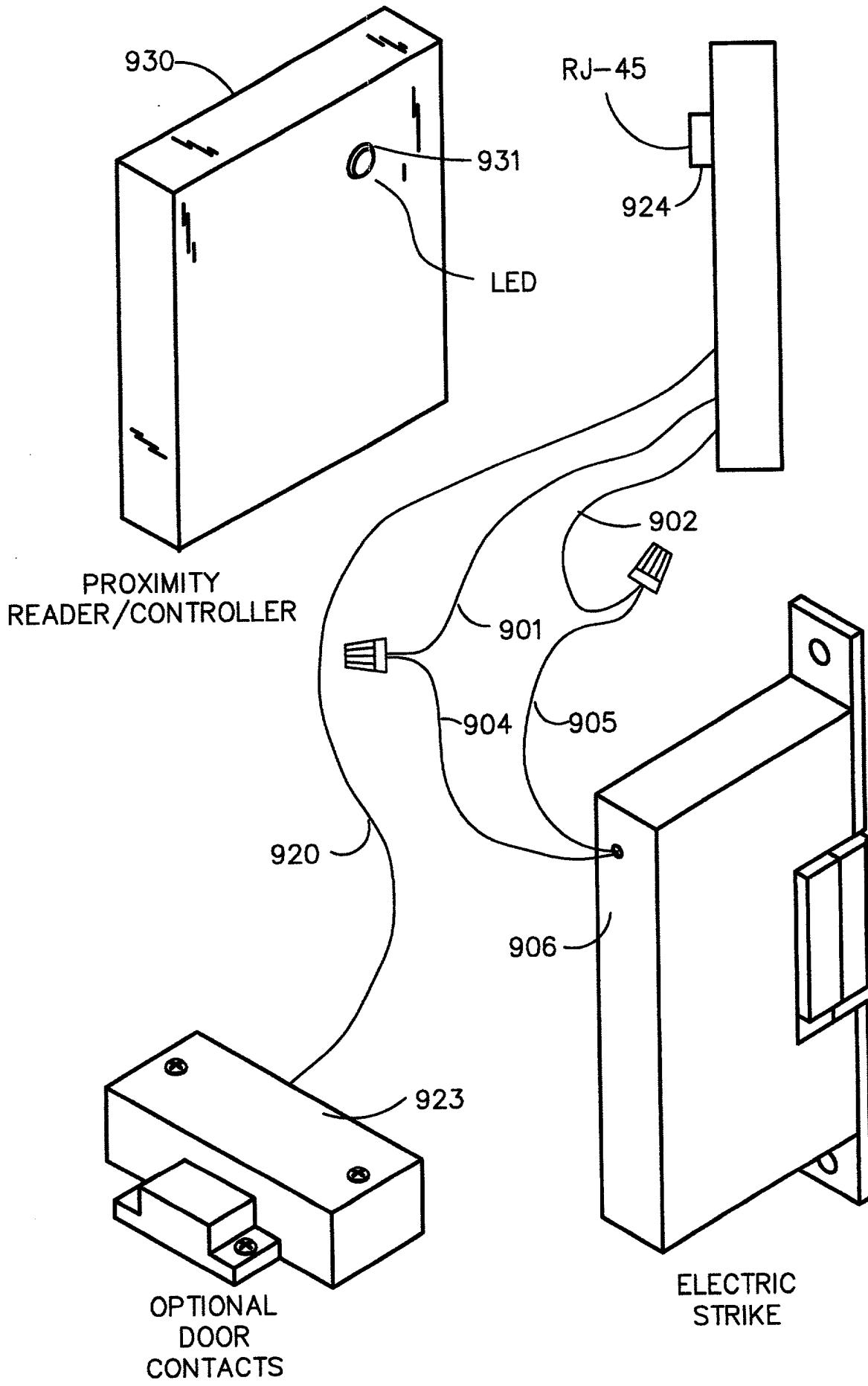


FIG. 37

+

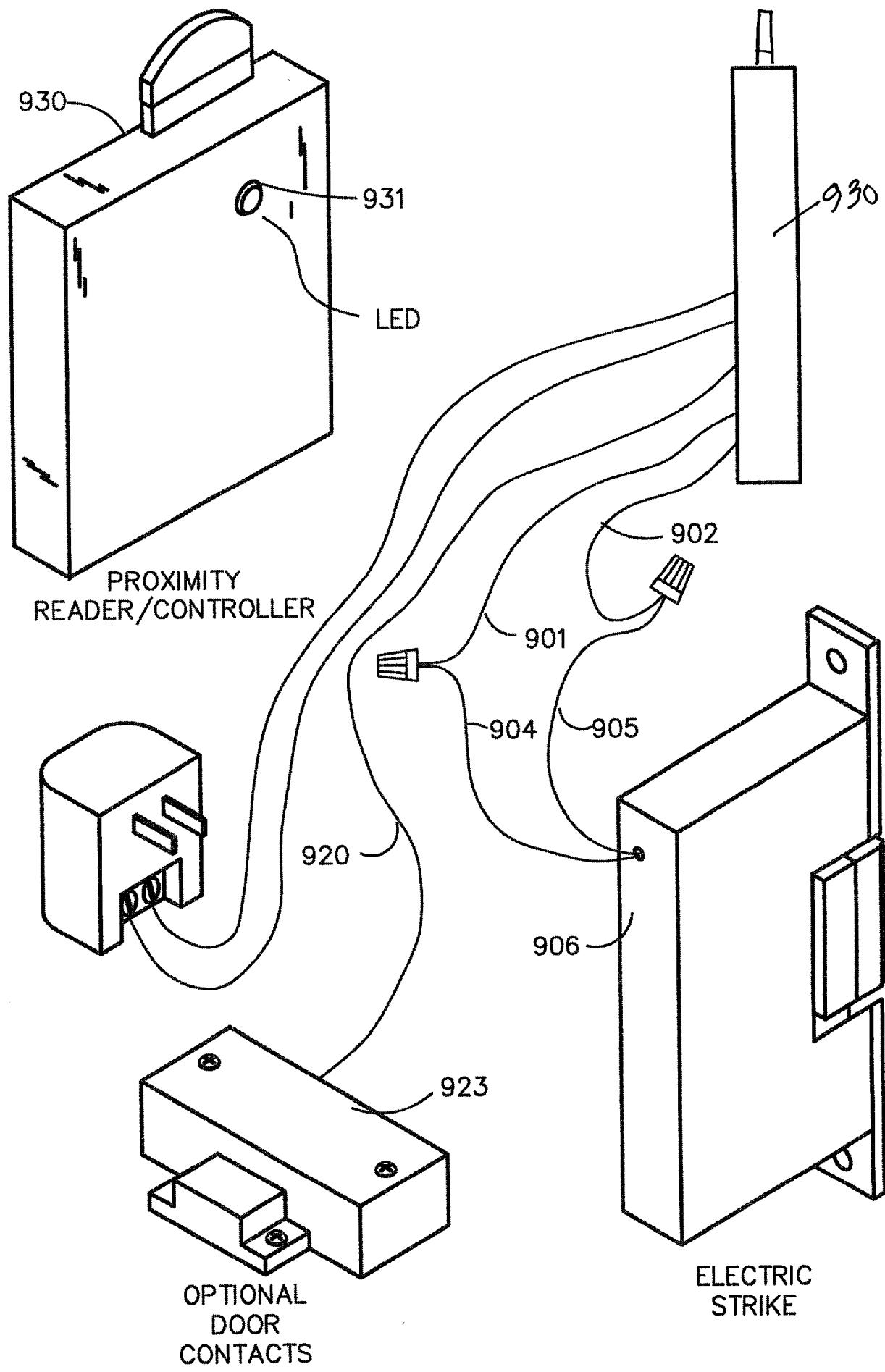


FIG. 37A

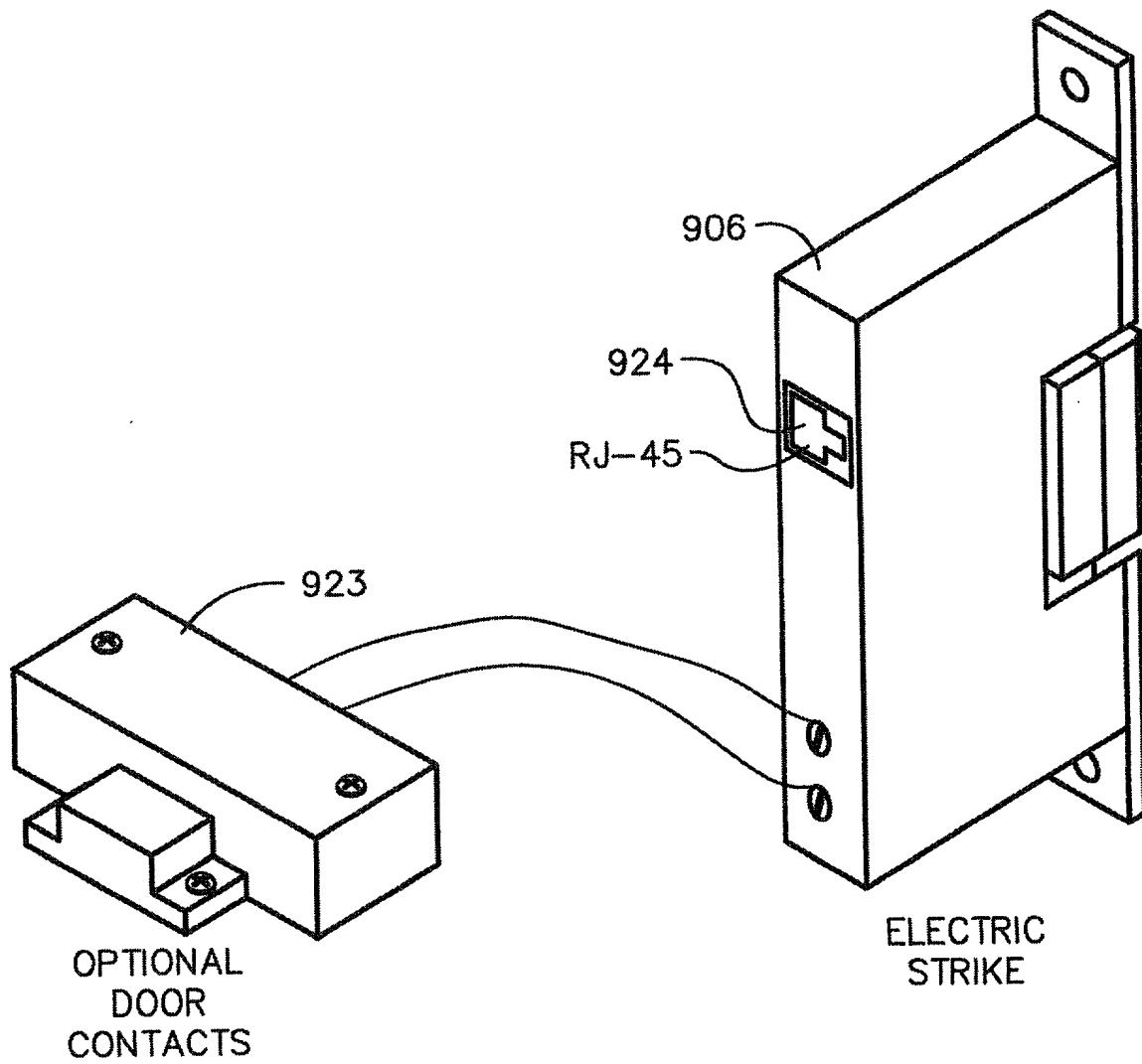


FIG. 37B

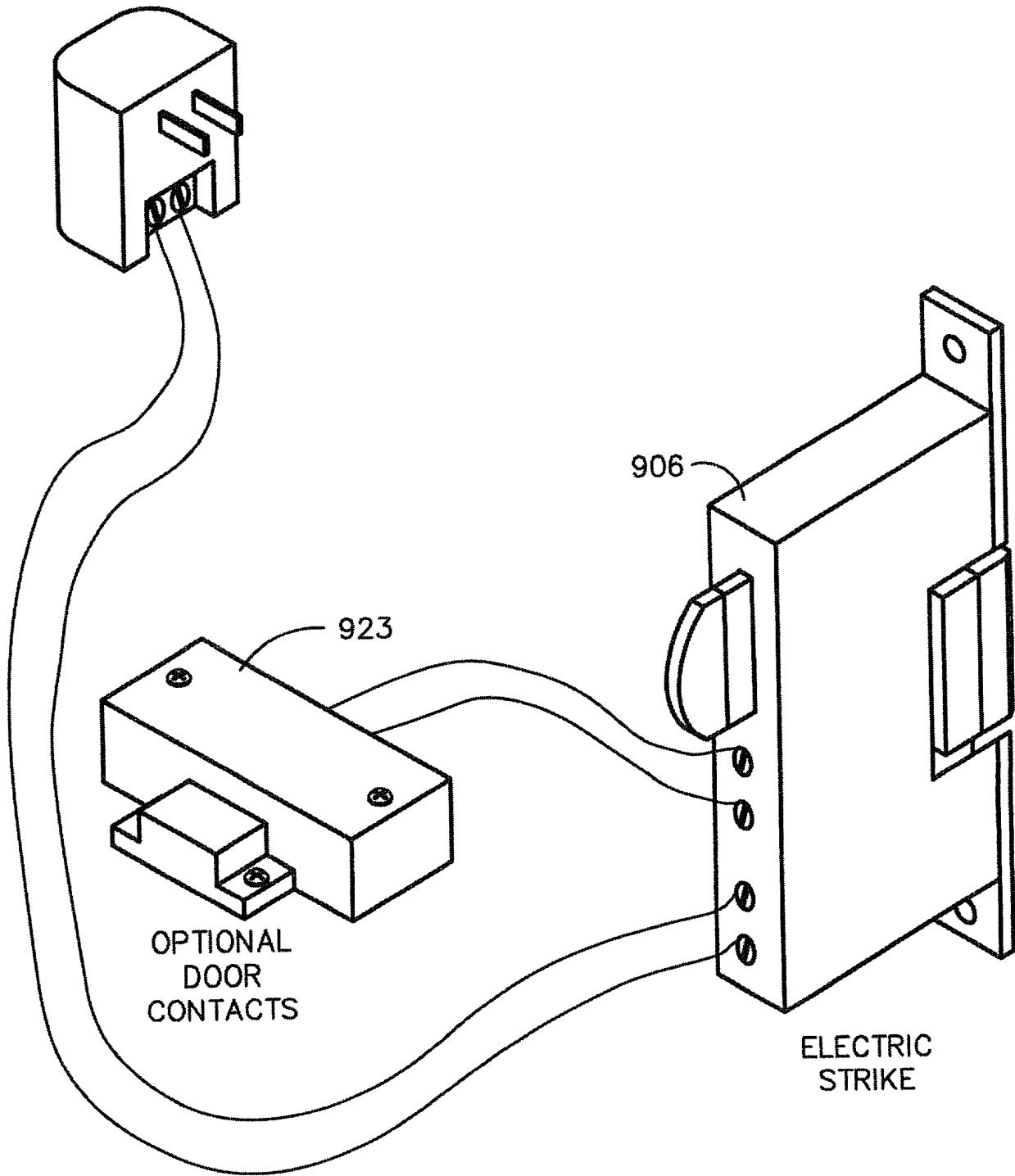
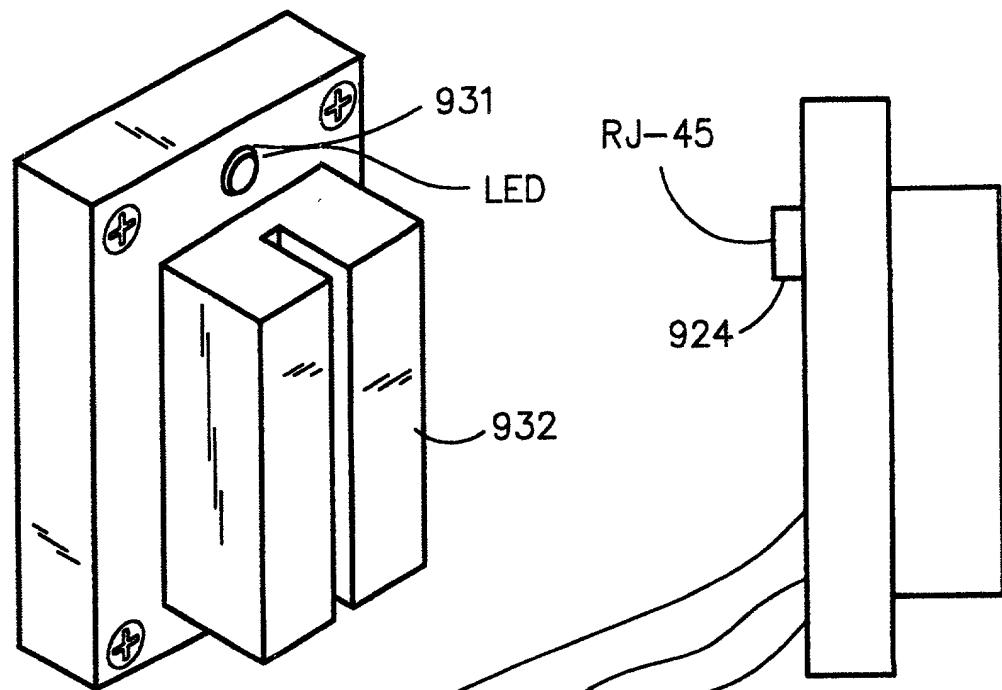
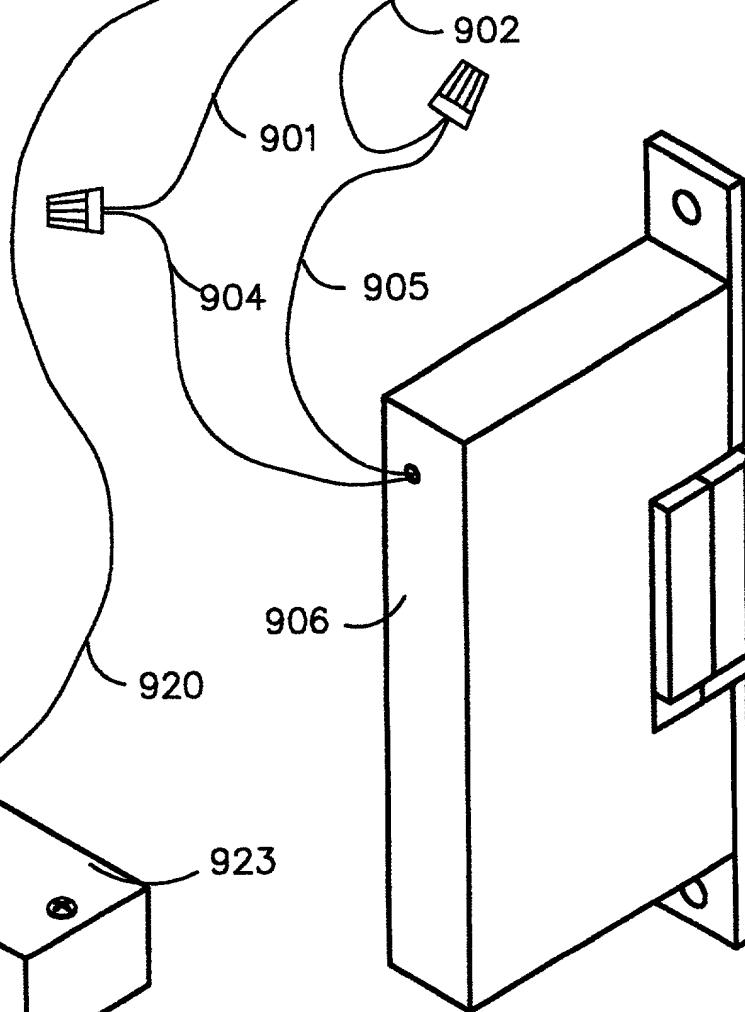


FIG. 37C



SWIPE
READER



OPTIONAL
DOOR
CONTACTS

ELECTRIC STRIKE

FIG. 38

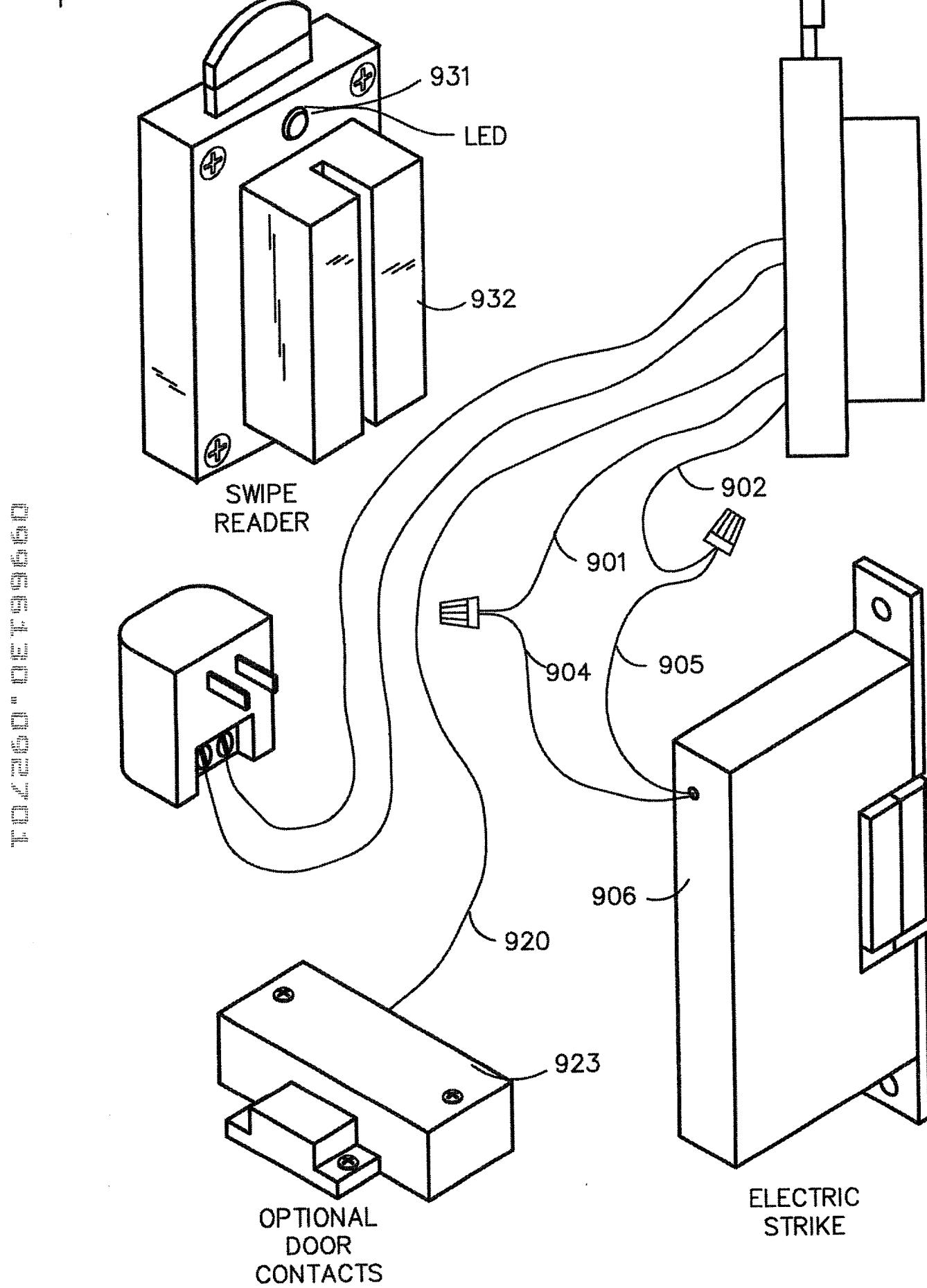


FIG. 38A

+

TOP SECRET - DEFENSE

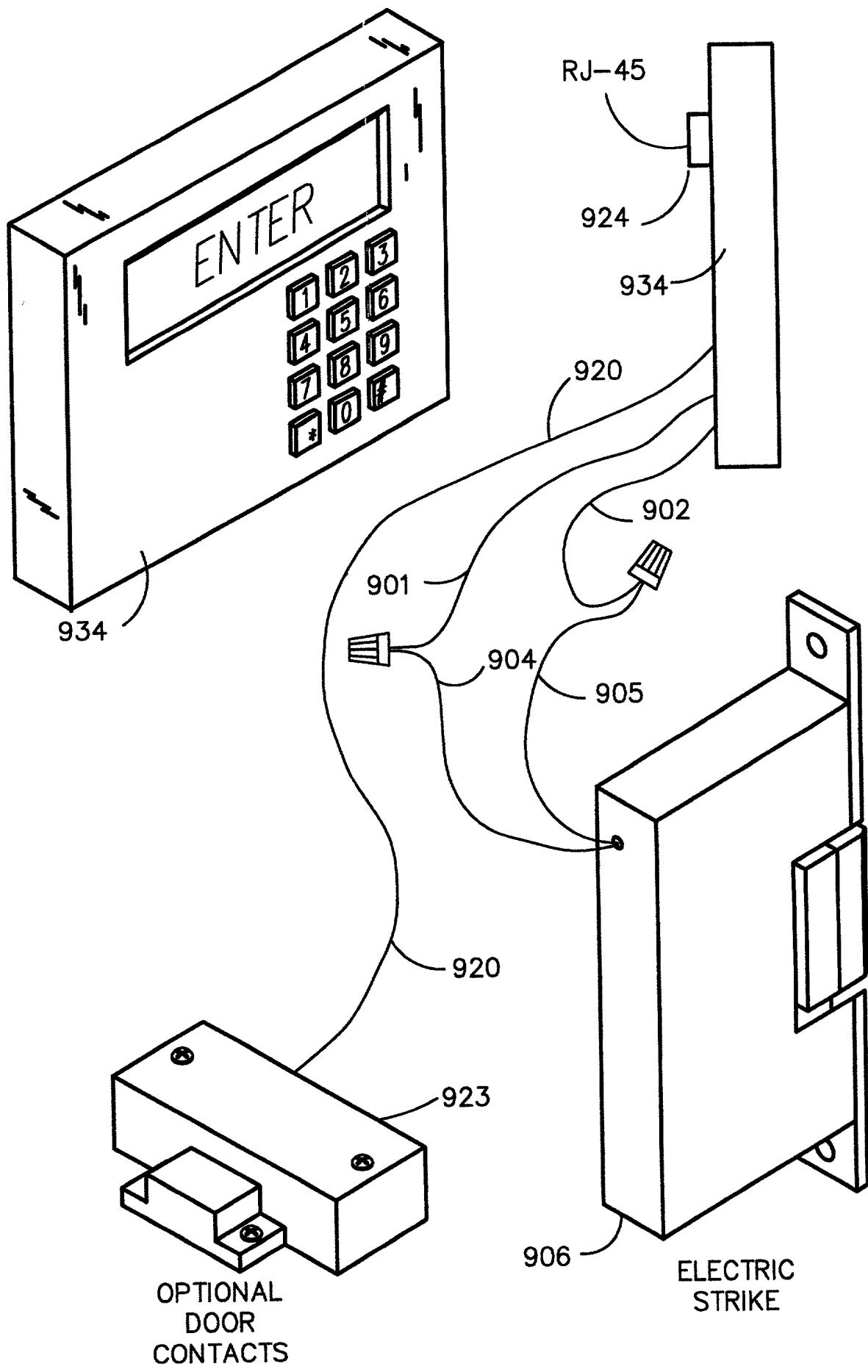


FIG. 39

+

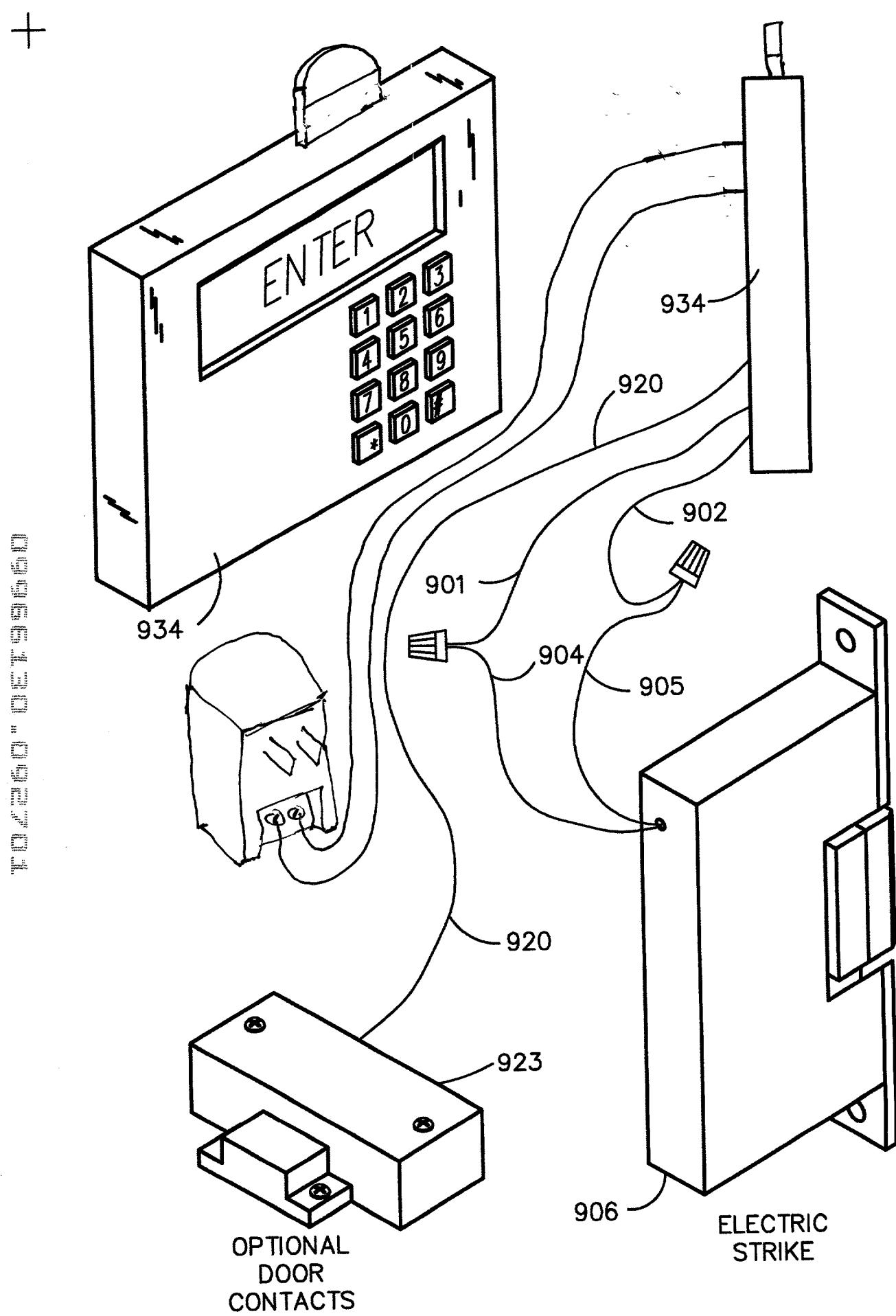


FIG. 39A

+

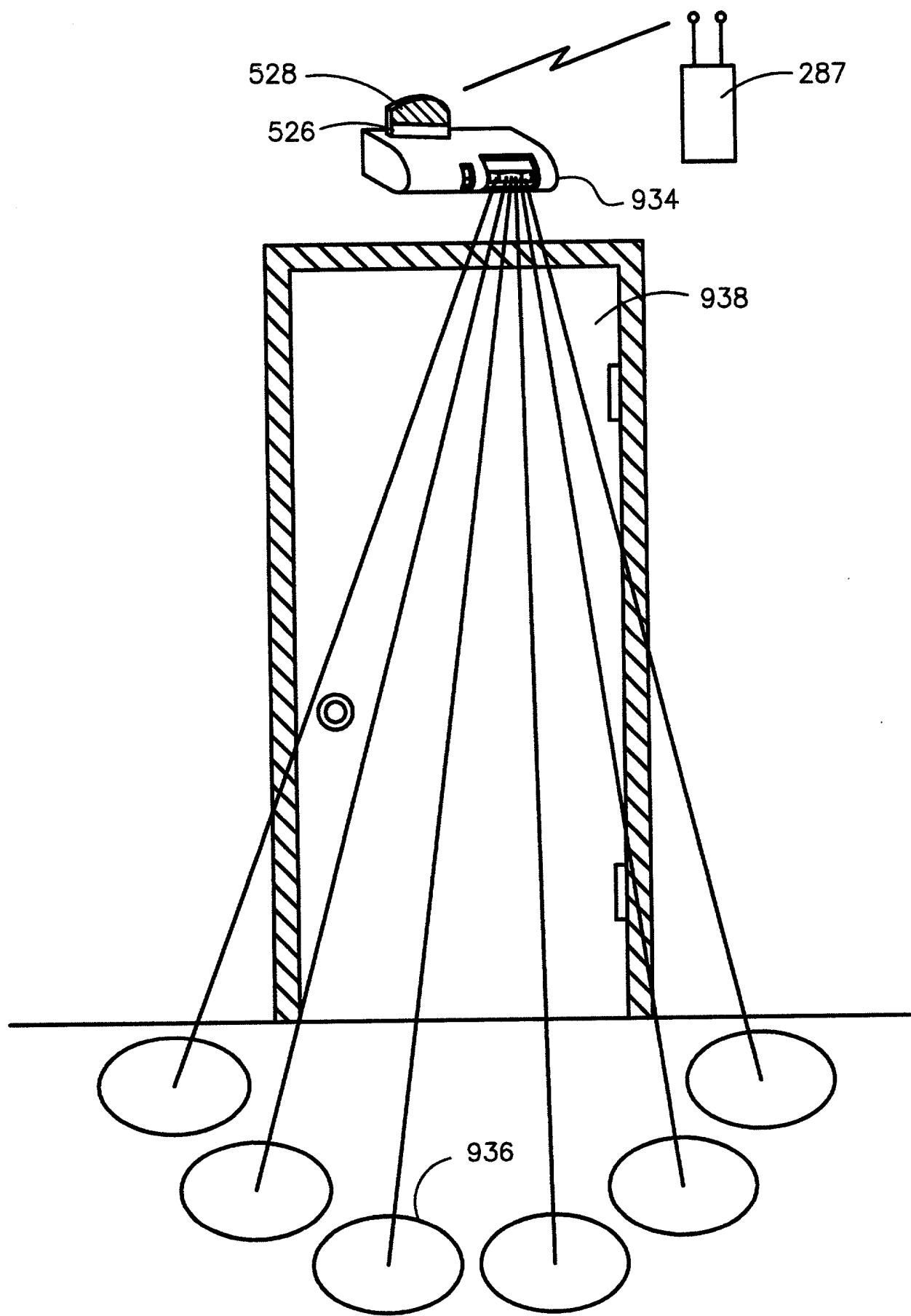
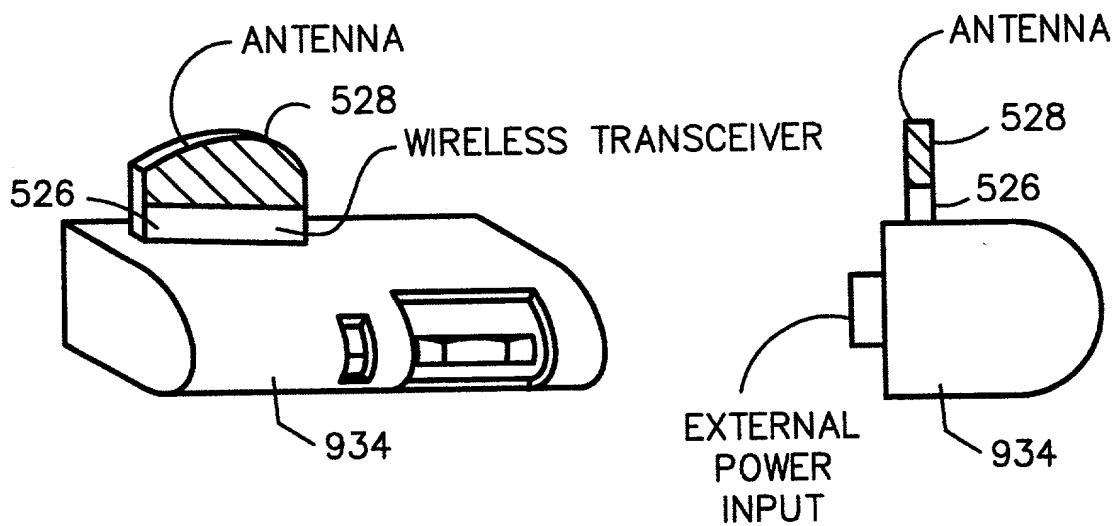
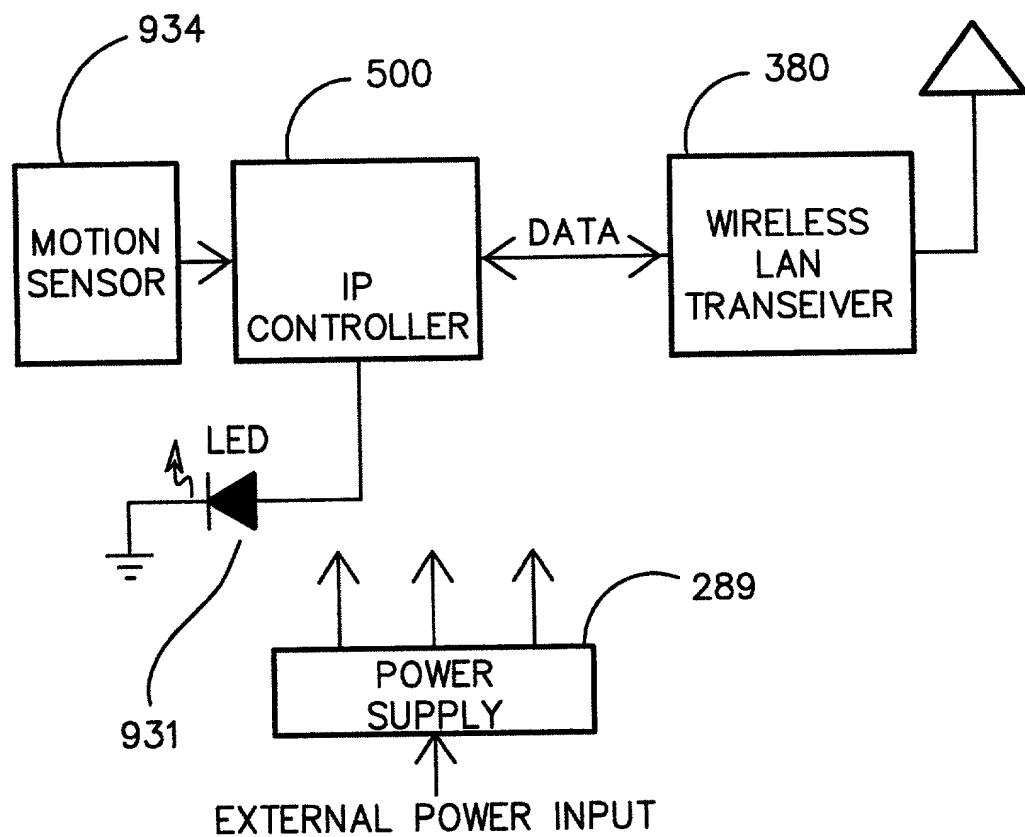


FIG. 40

+



10027650 00000000000000000000000000000000



WIRELESS EXIT SENSOR

FIG. 40A

+

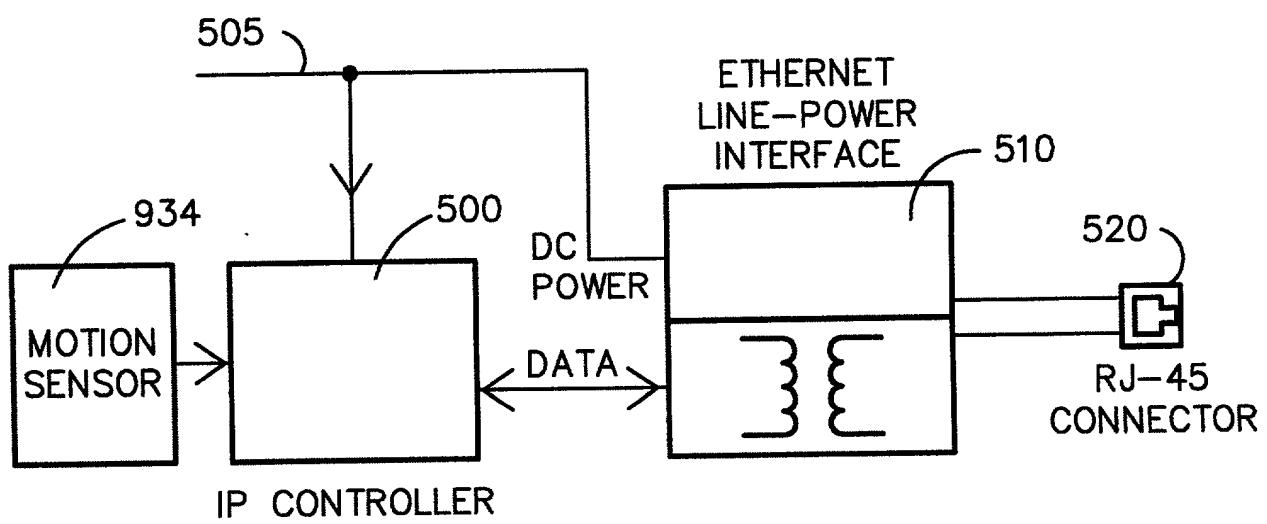
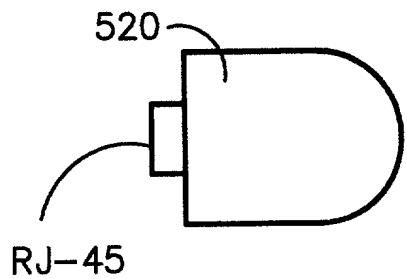
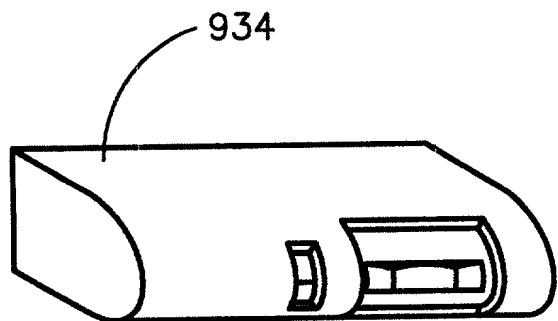


FIG. 40B

+

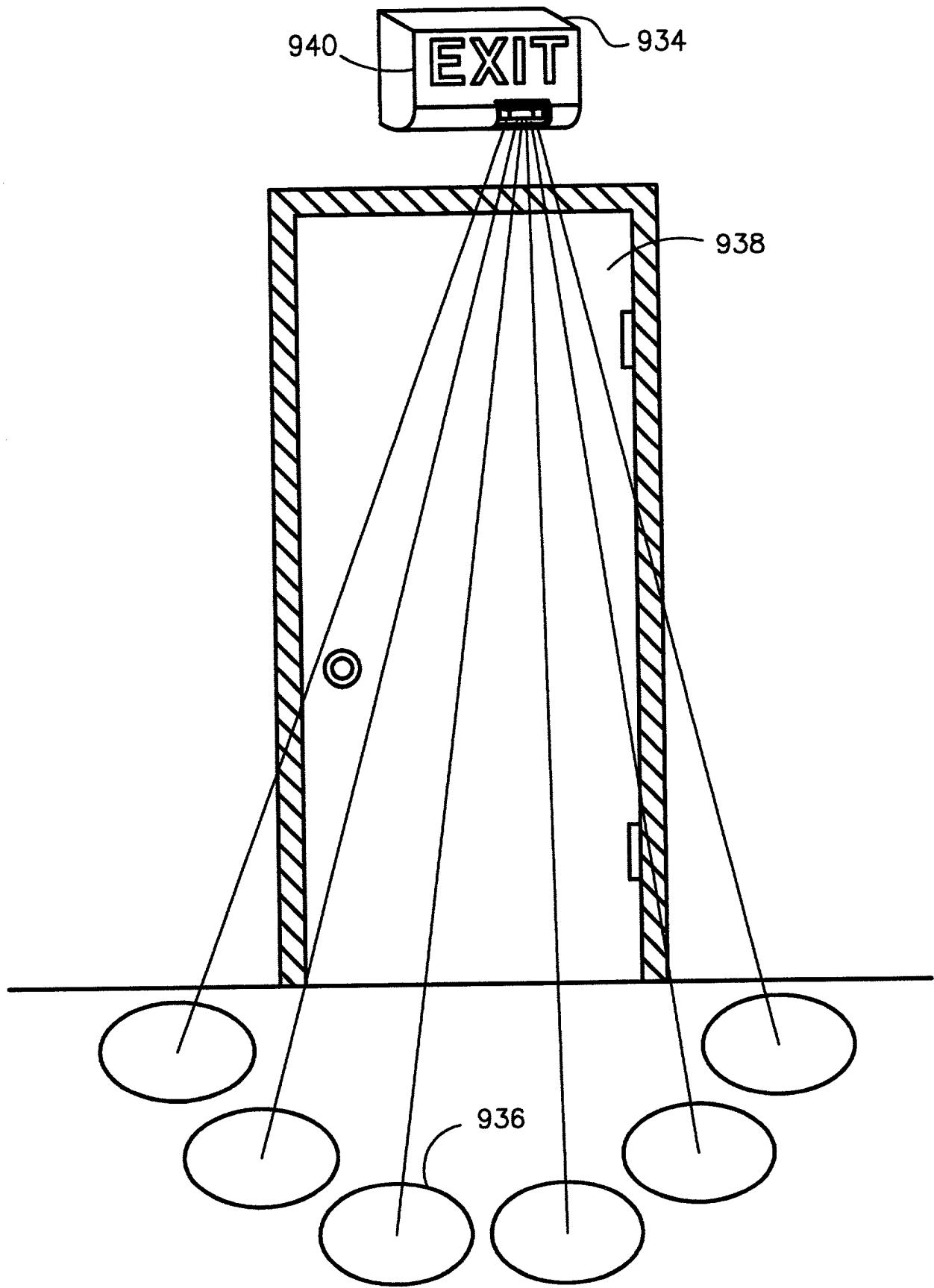


FIG. 40C

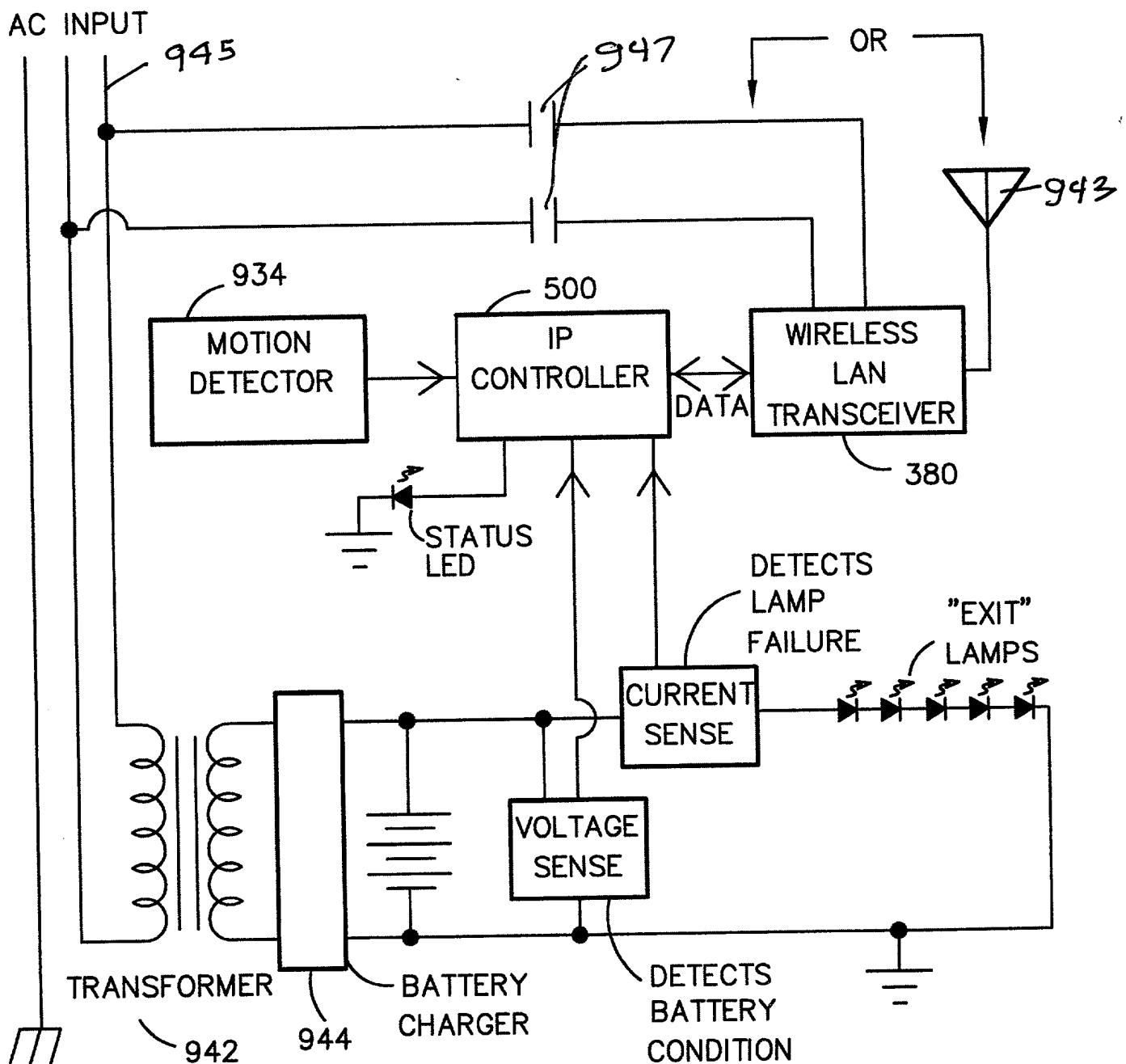
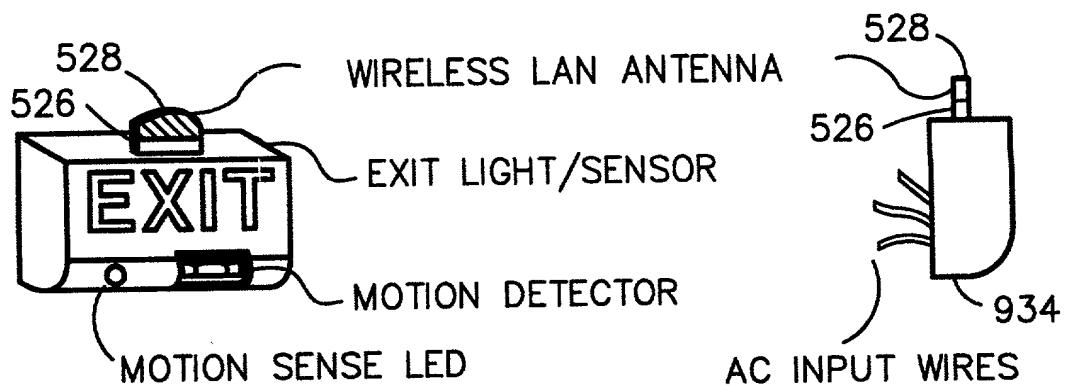


FIG. 40A

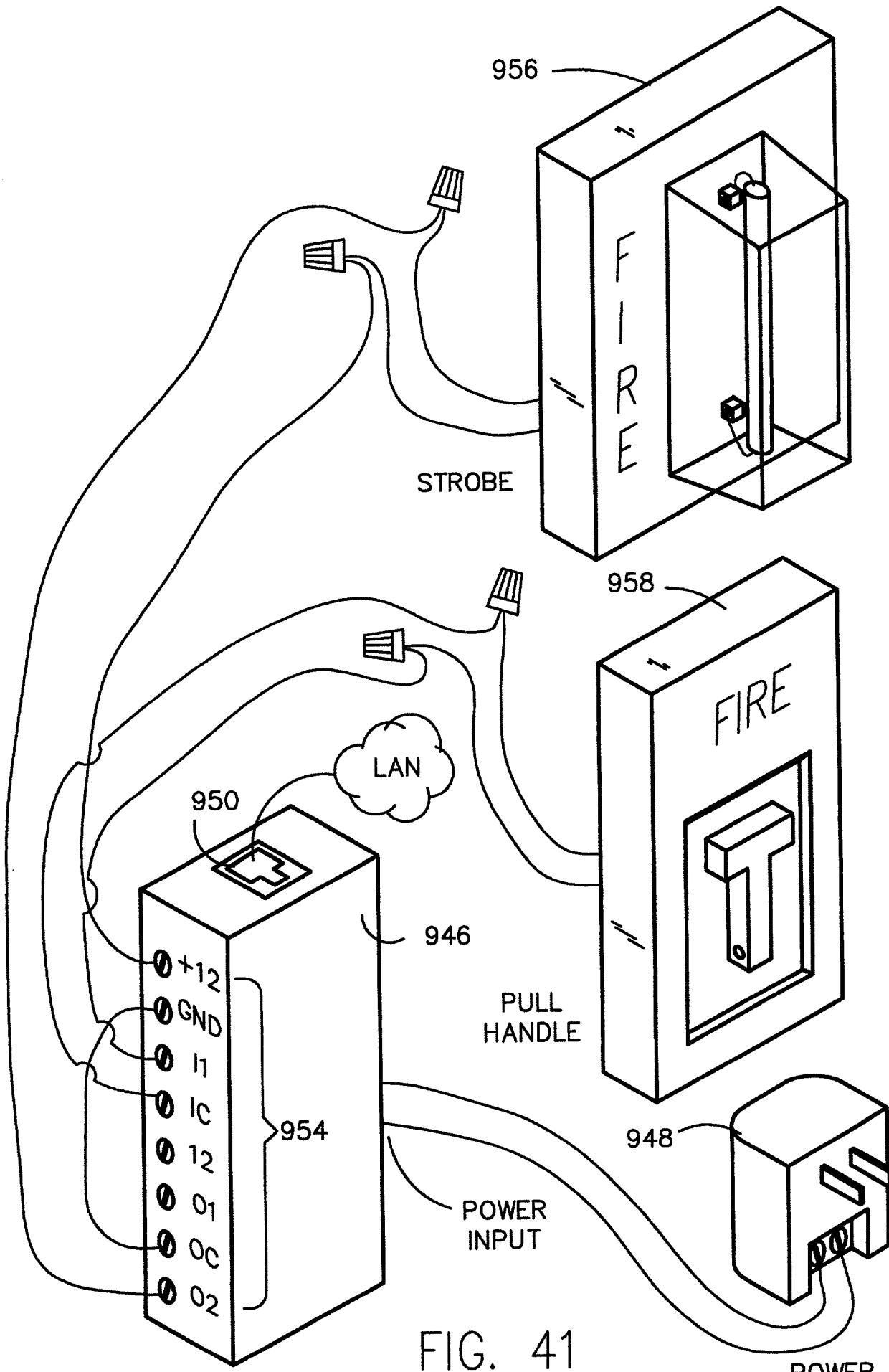


FIG. 41

WIRED UNIVERSAL INTERFACE—
PULL HANDLE/STROBE APPLICATION

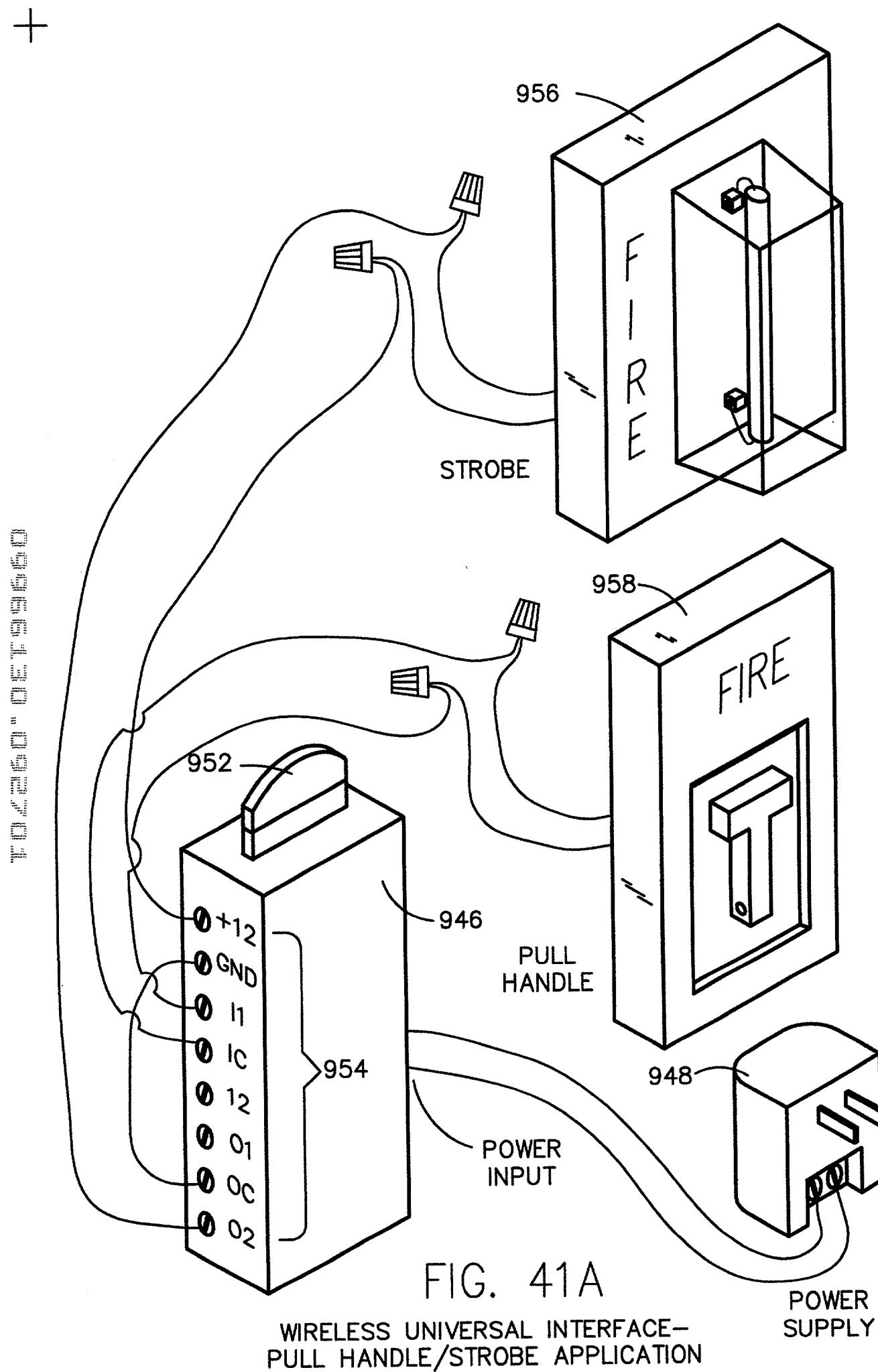


FIG. 41A

WIRELESS UNIVERSAL INTERFACE—
PULL HANDLE/STROBE APPLICATION

TOP 2000000000000000

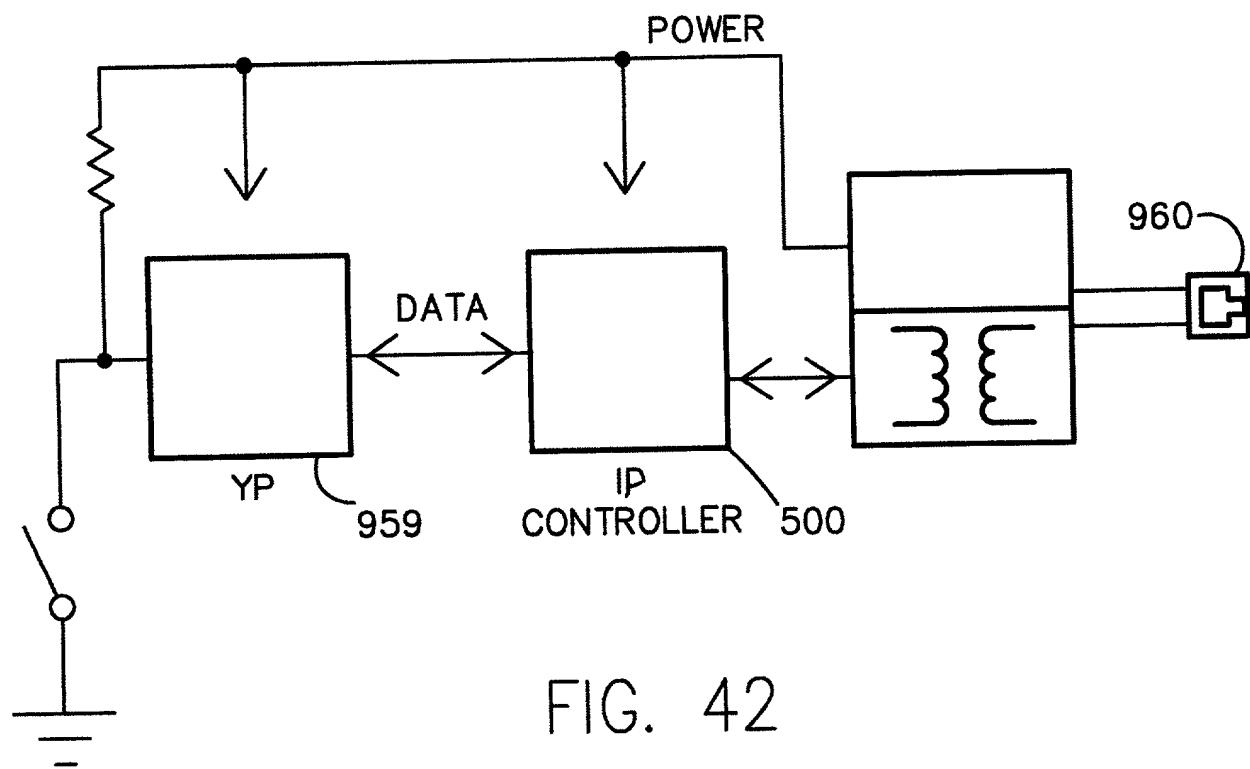
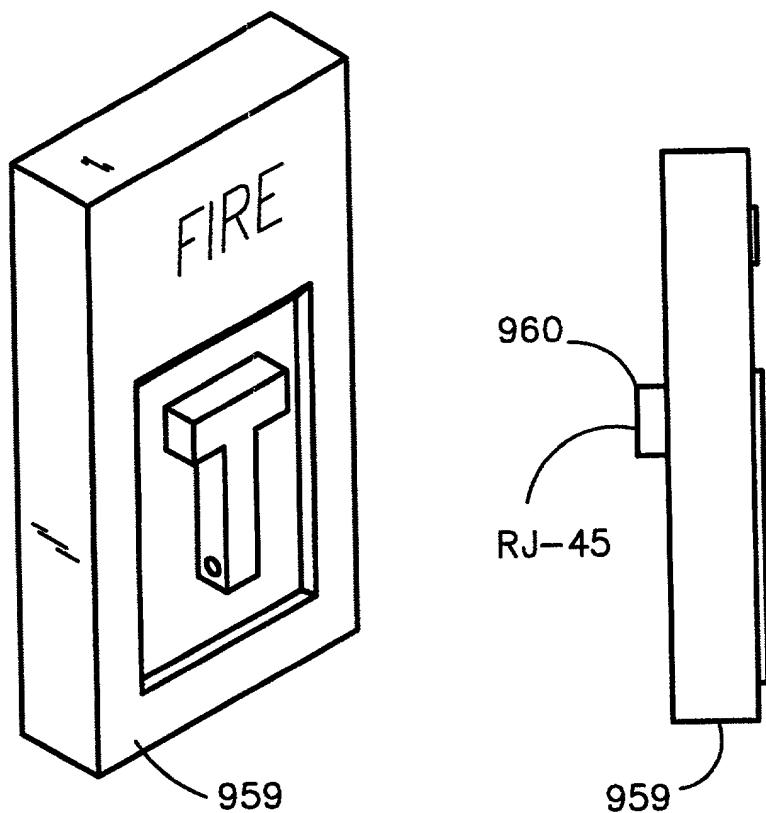


FIG. 42

WIRED PULL HANDLE

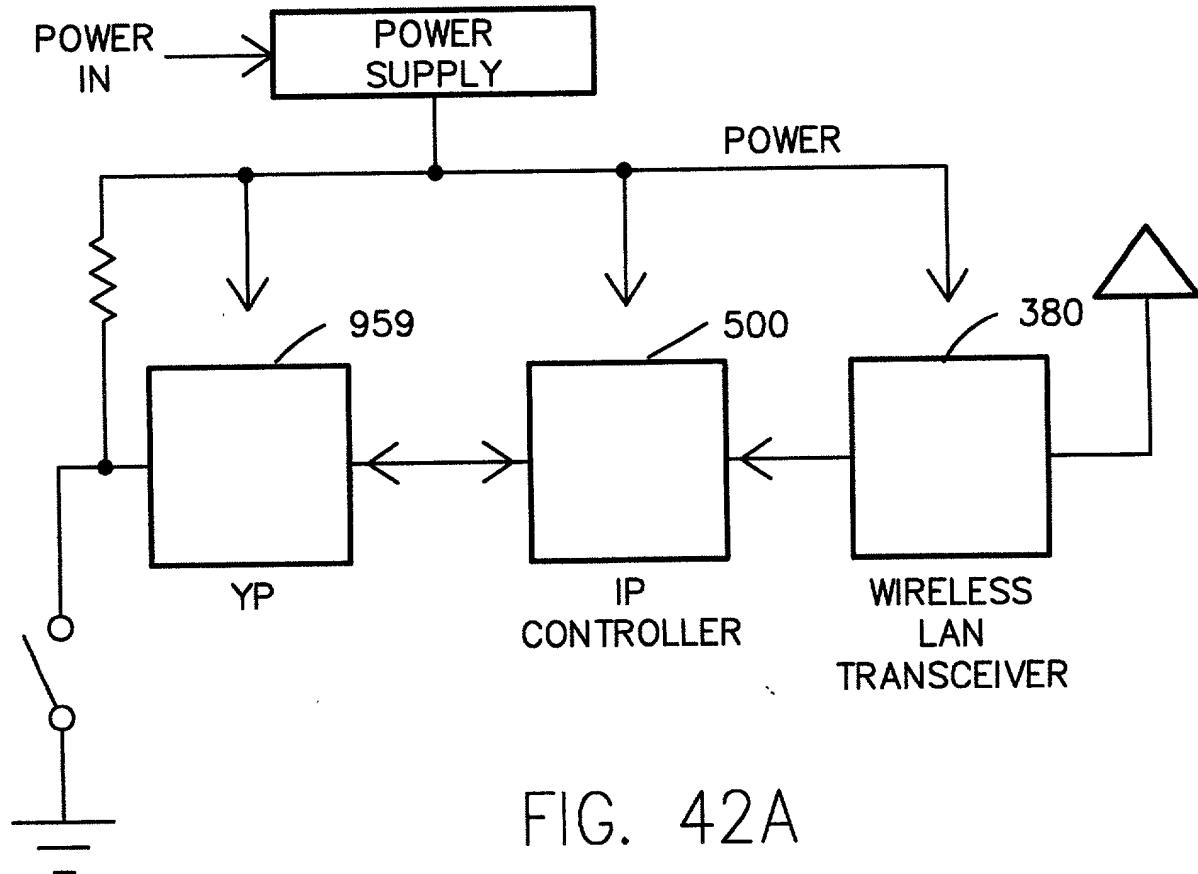
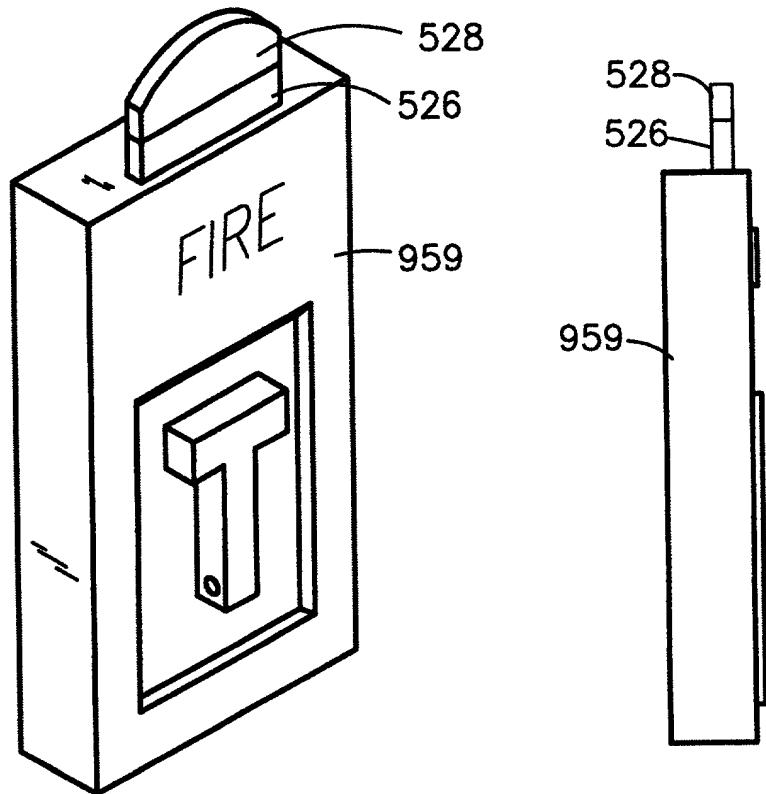
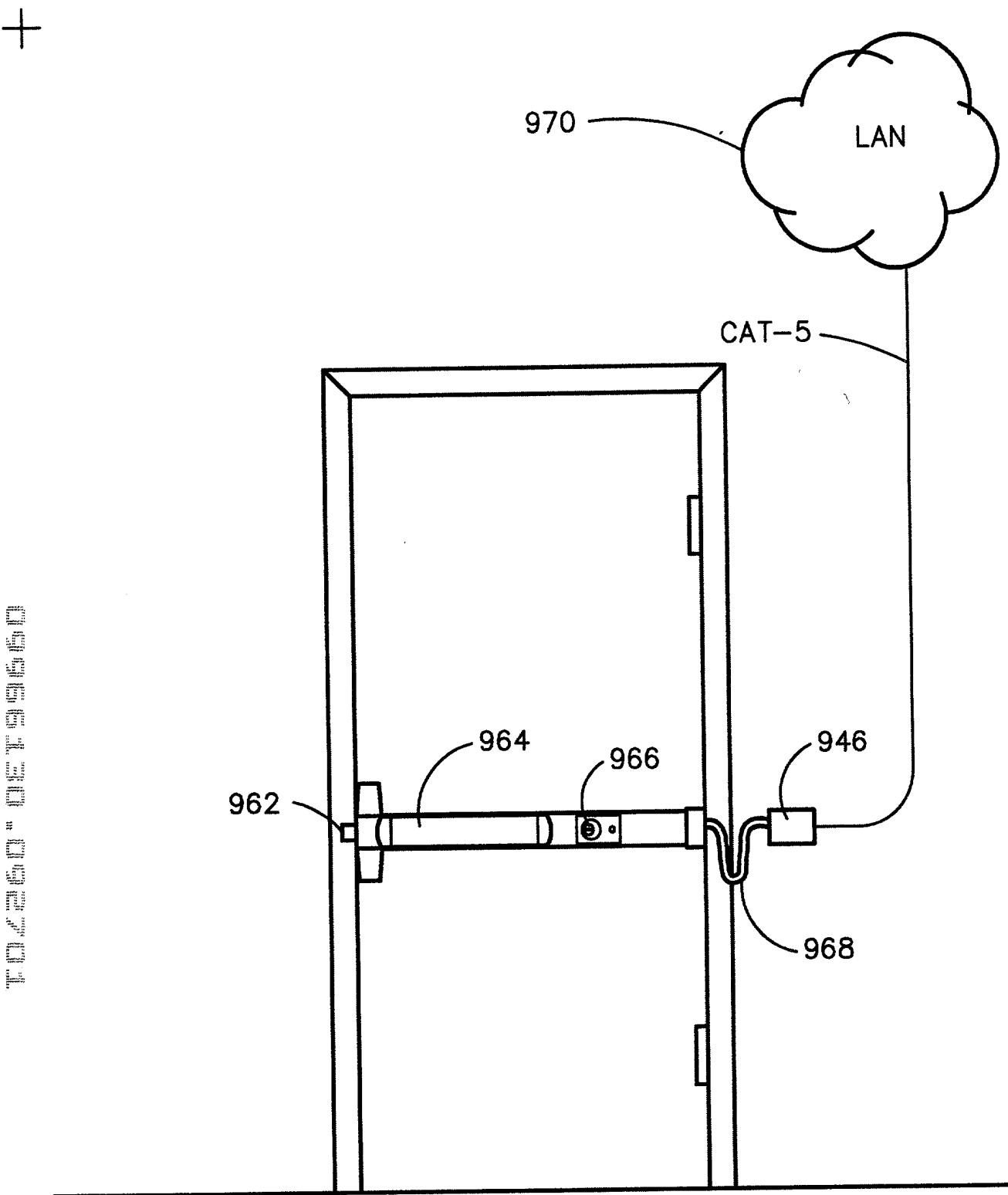


FIG. 42A

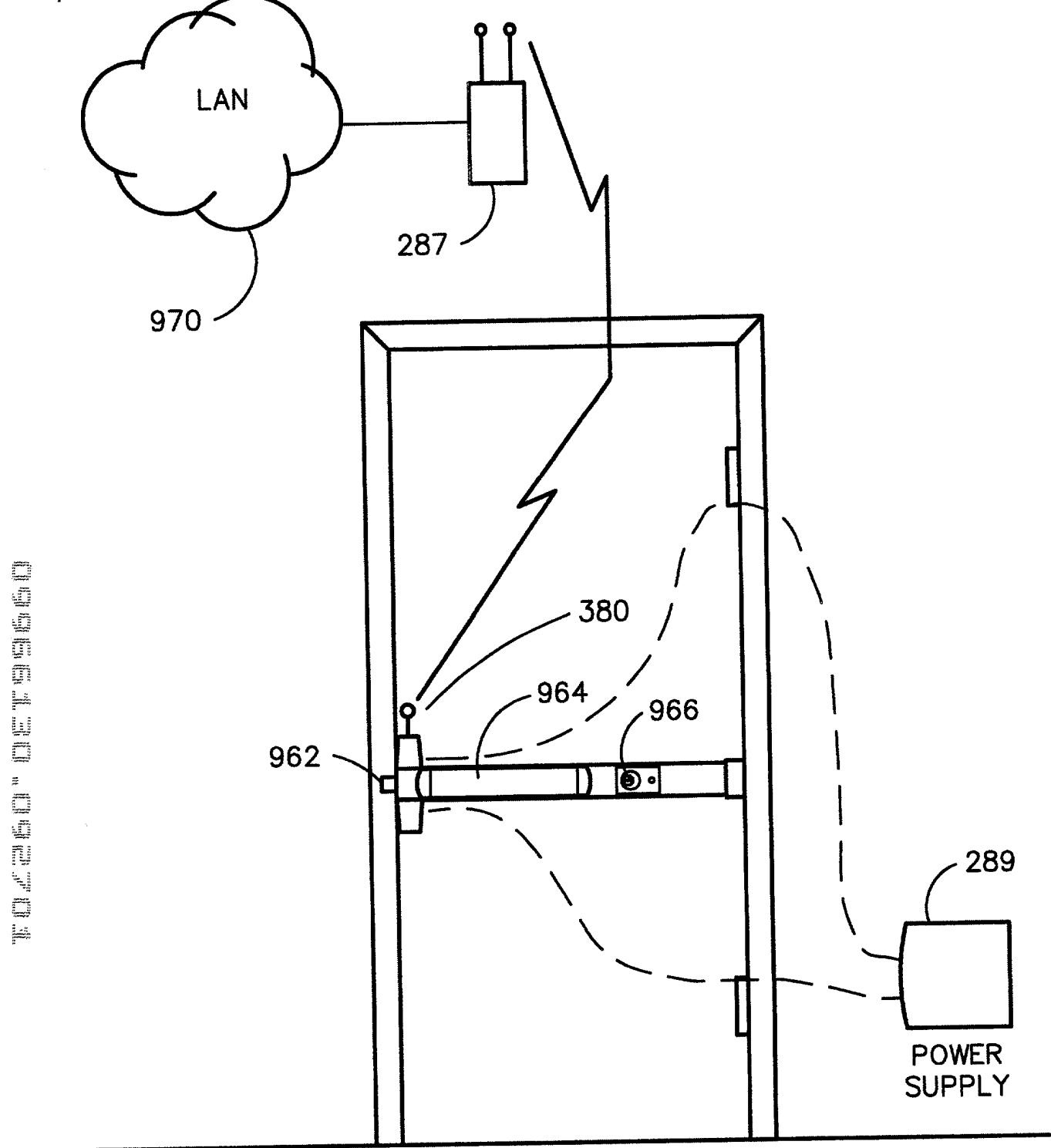
WIRELESS PULL HANDLE



WIRED EXIT DEVICE

FIG. 43

+

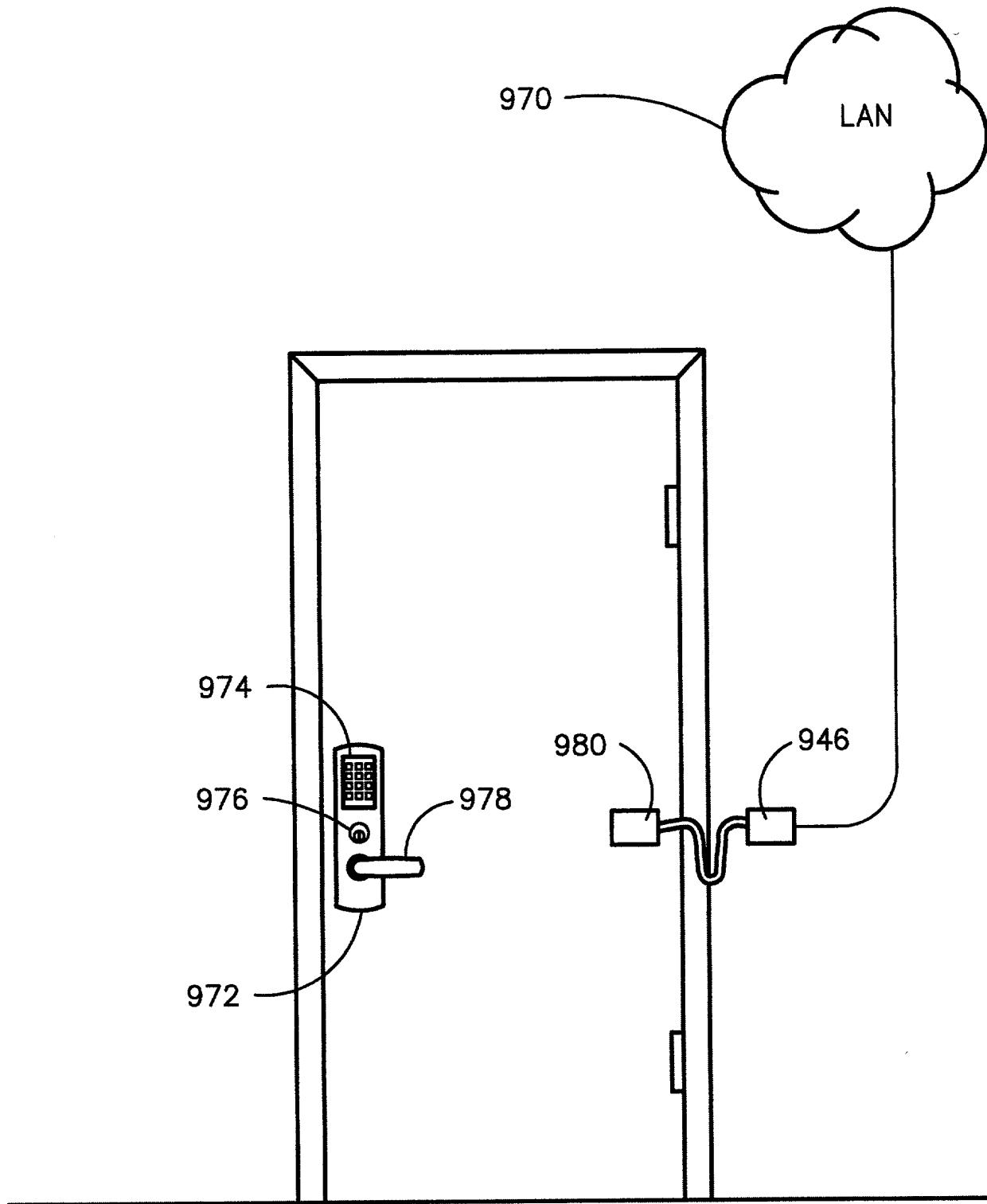


WIRELESS EXIT DEVICE

FIG. 43A

+

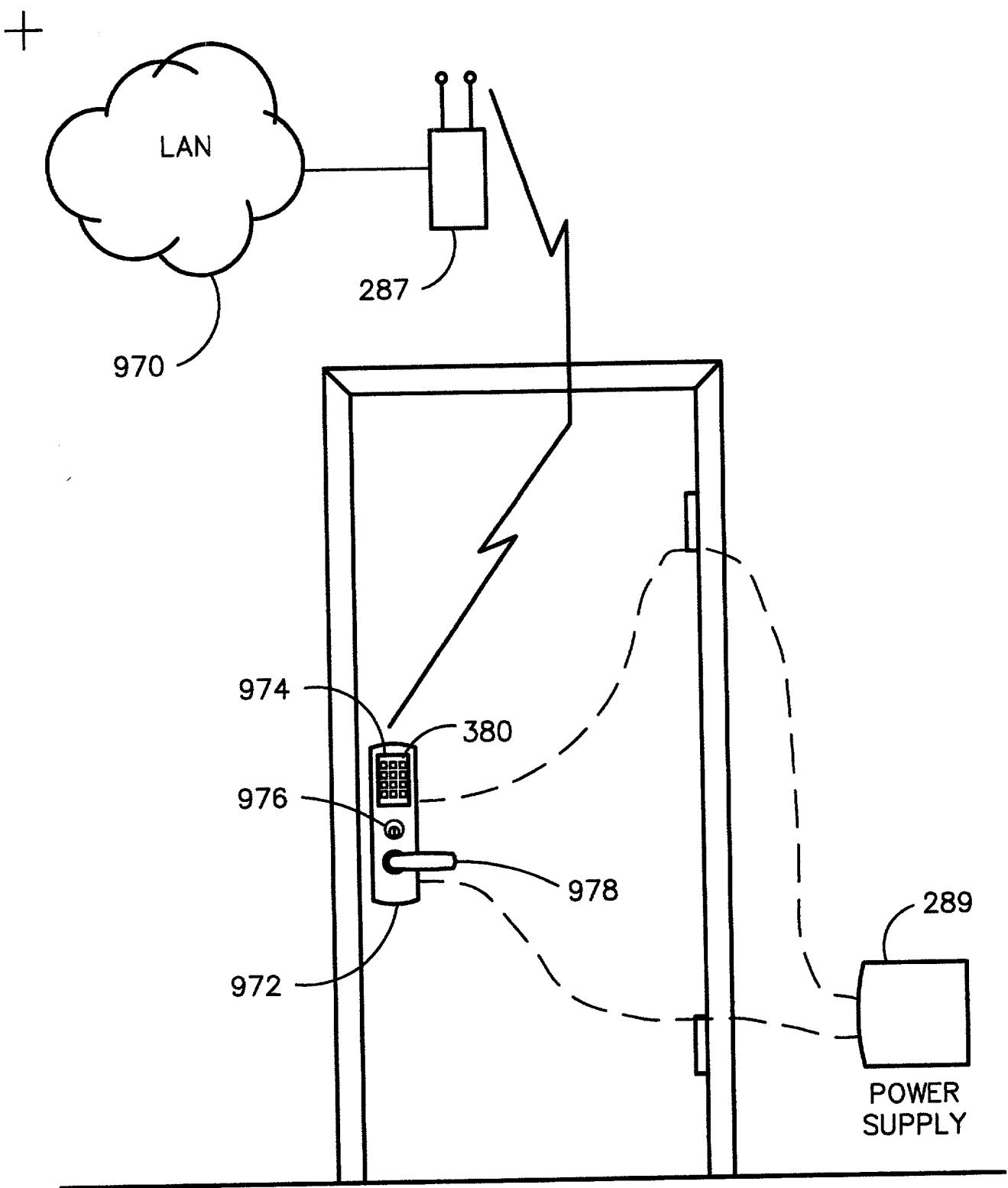
100-000000000000



WIRED KEYPAD MORTISE LOCK

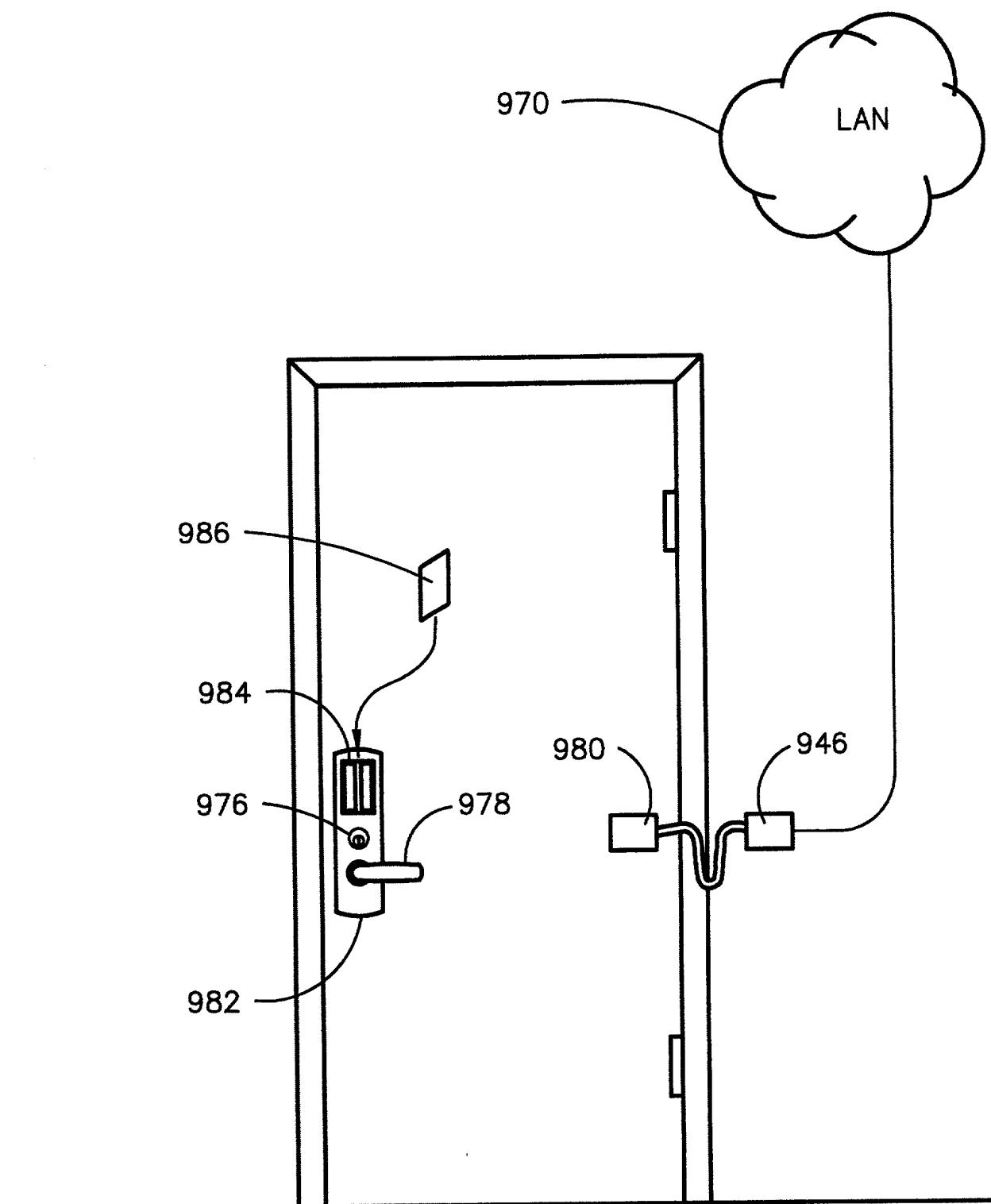
FIG. 44

+



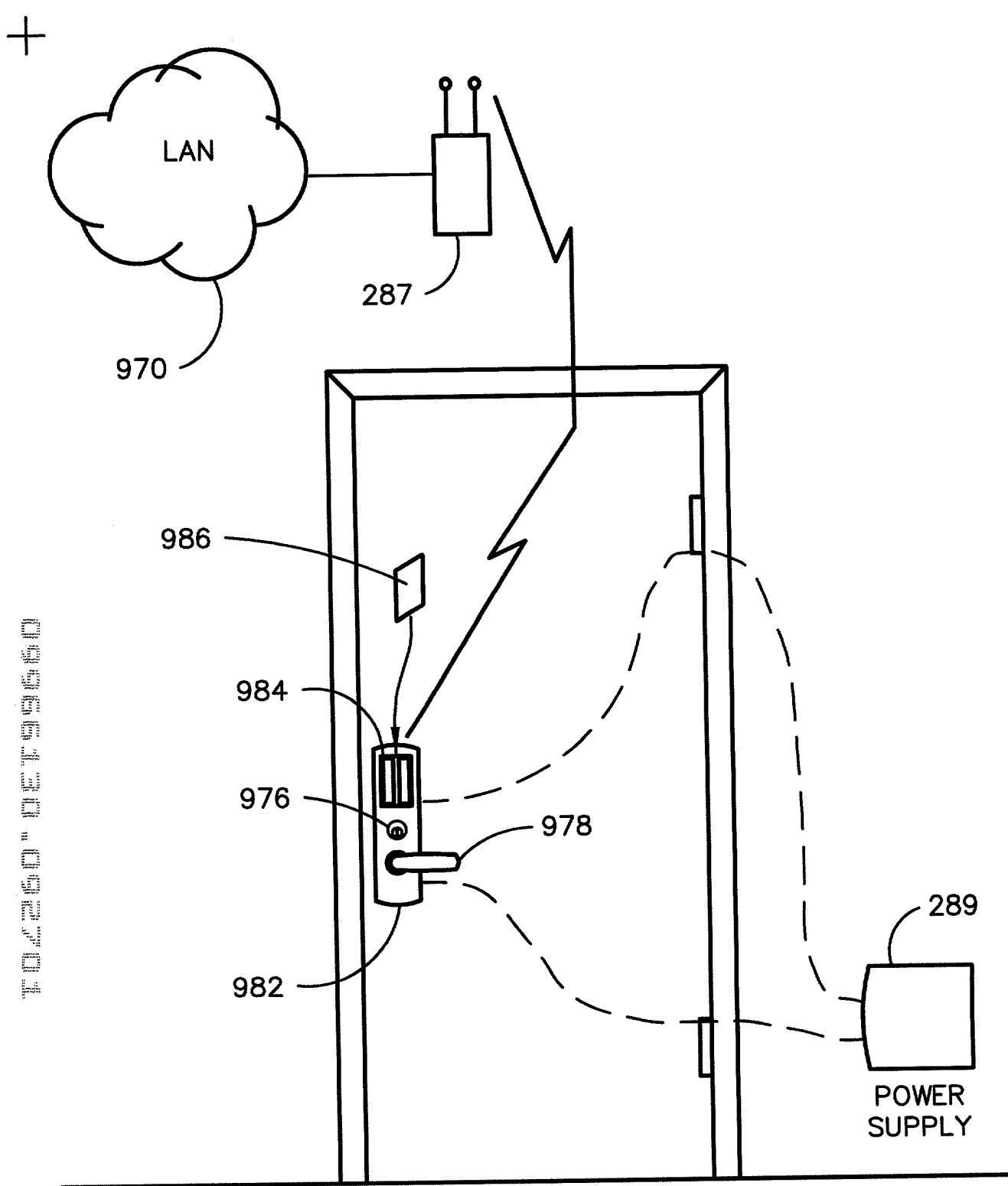
WIRELESS KEYPAD MORTISE LOCK

FIG. 44A



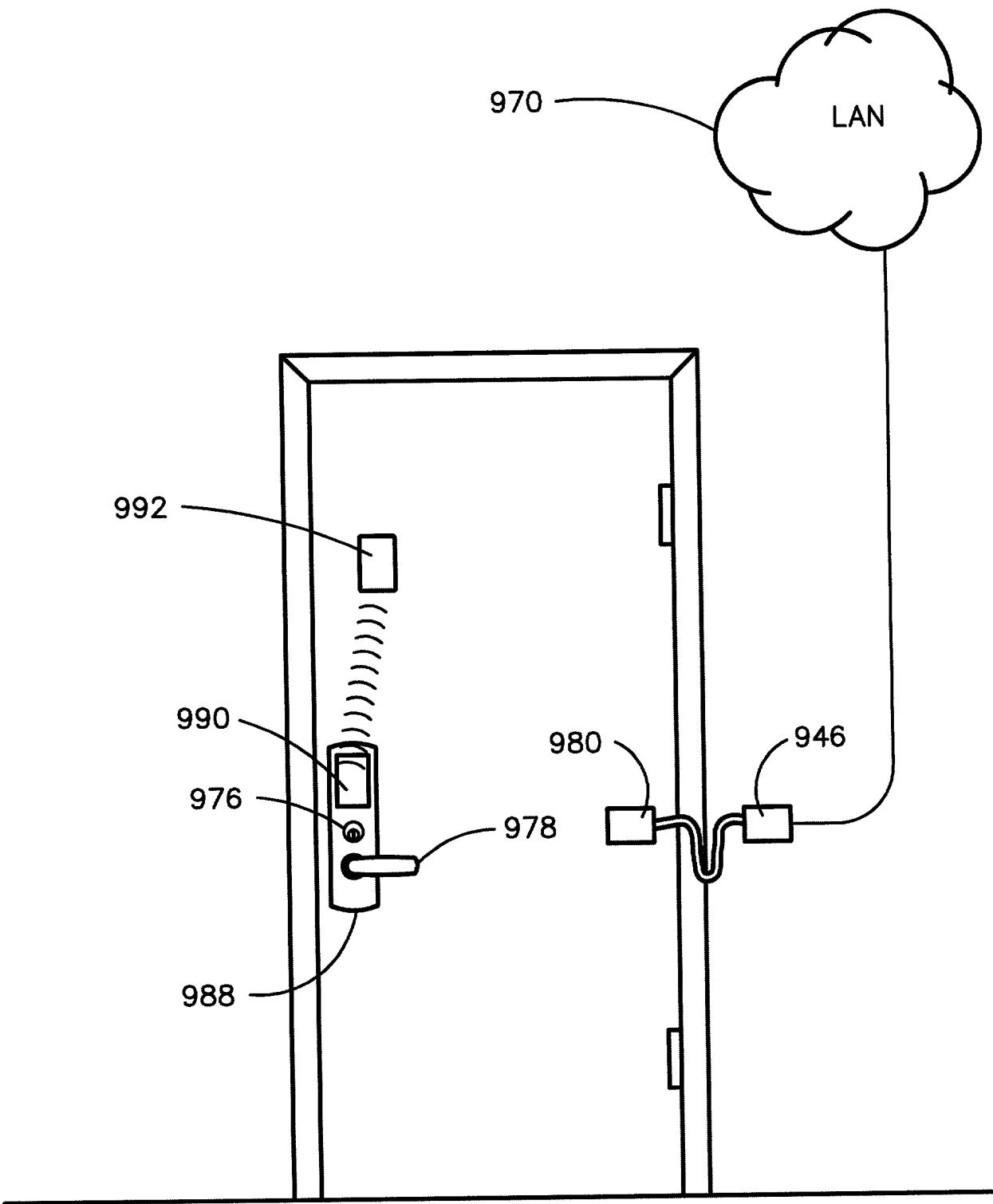
WIRED SWIPE CARD READER MORTISE

FIG. 45



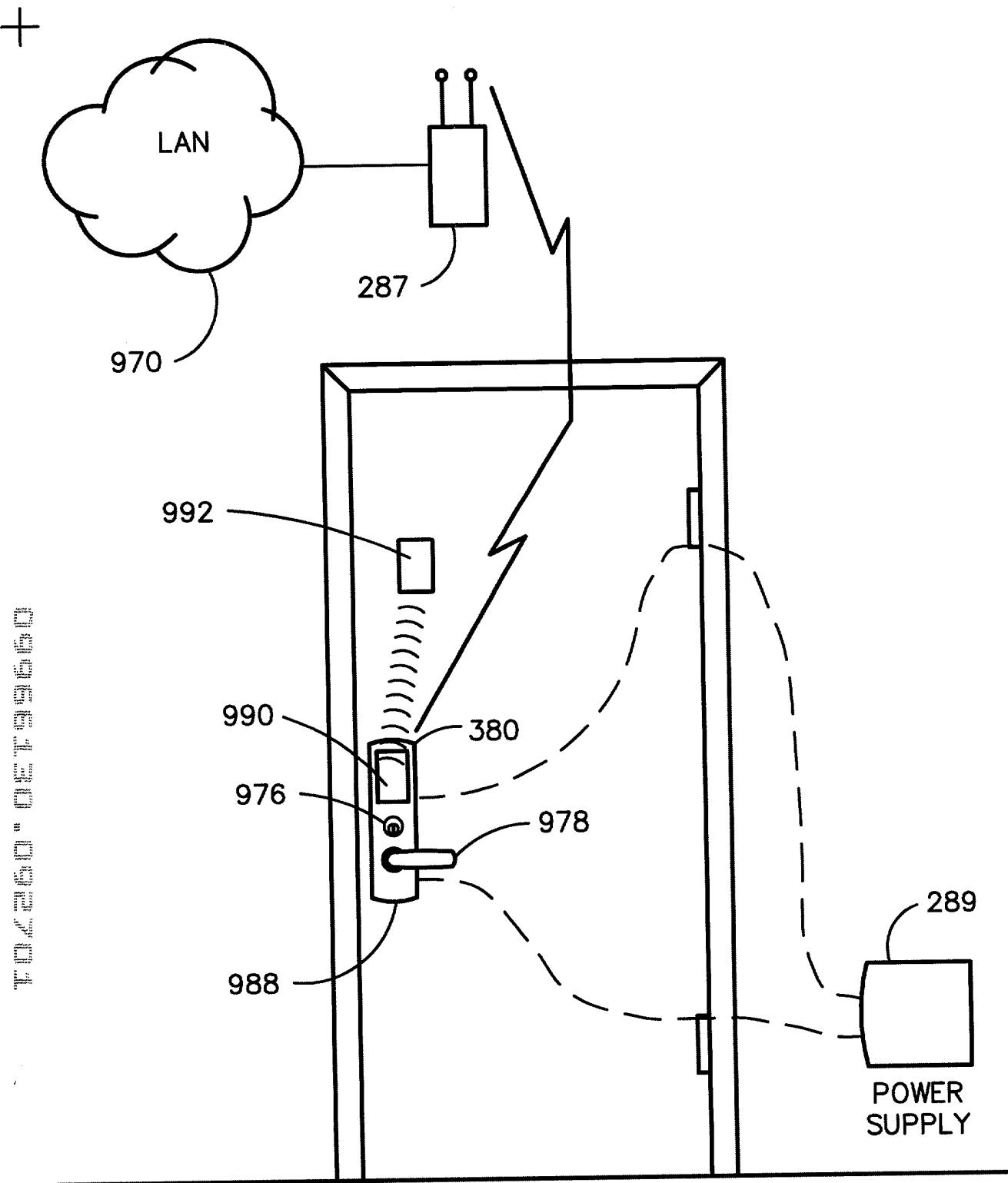
WIRELESS SWIPE CARD MORTISE LOCK

FIG. 45A



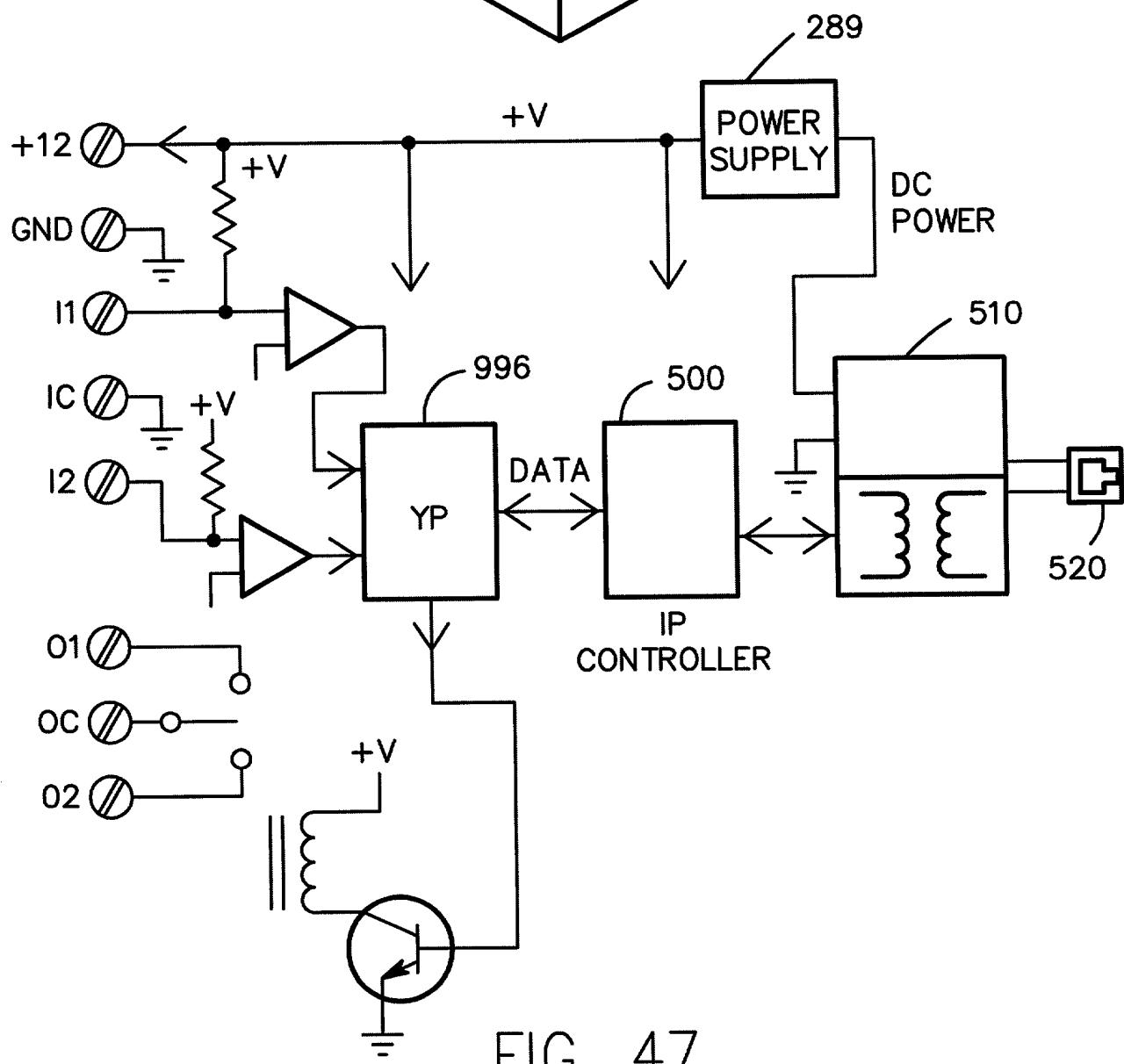
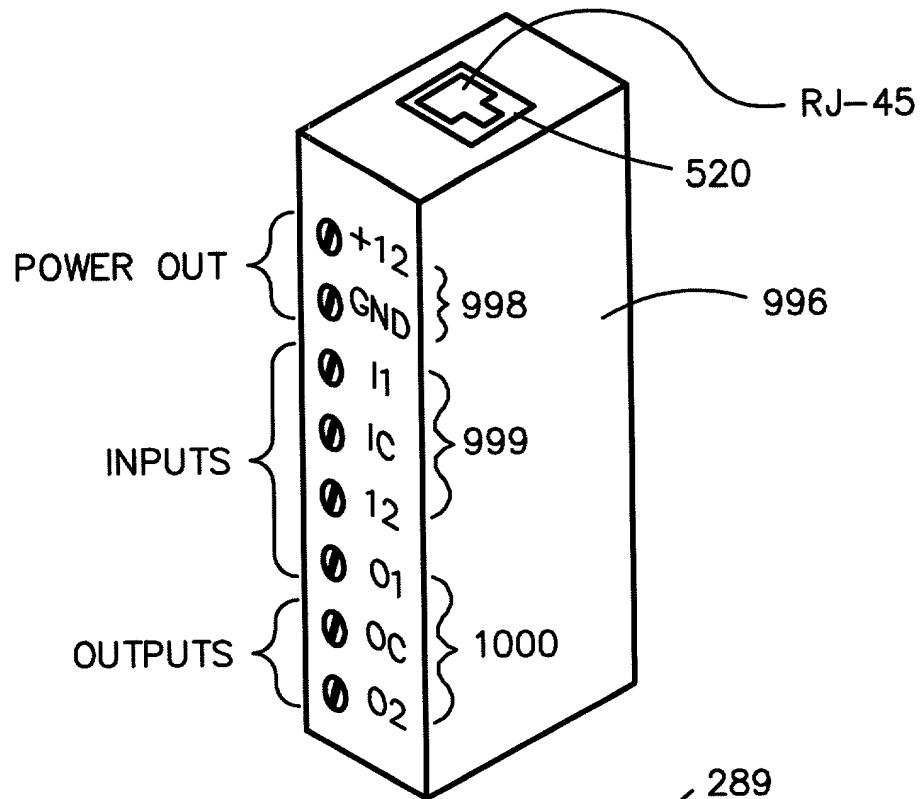
WIRED PROXIMITY CARD READER MORTISE LOCK

FIG. 46



WIRELESS PROXIMITY CARD READER MORTISE LOCK

FIG. 46A



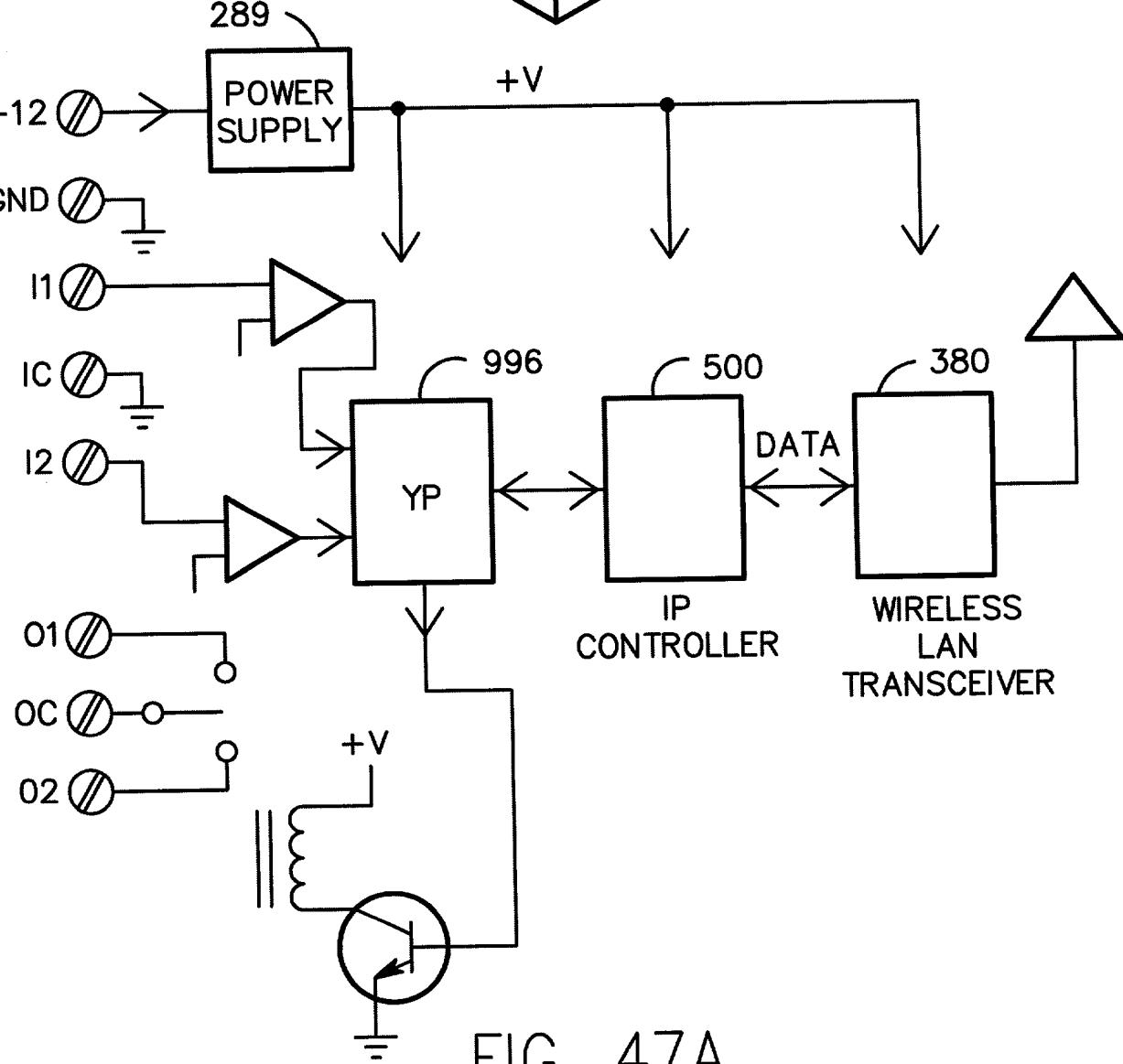
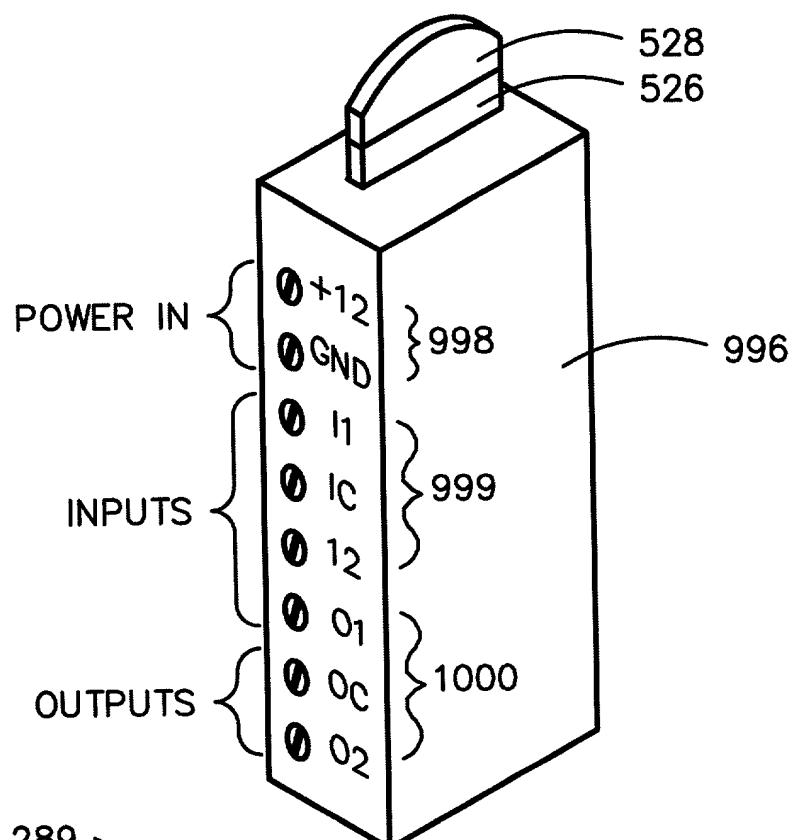
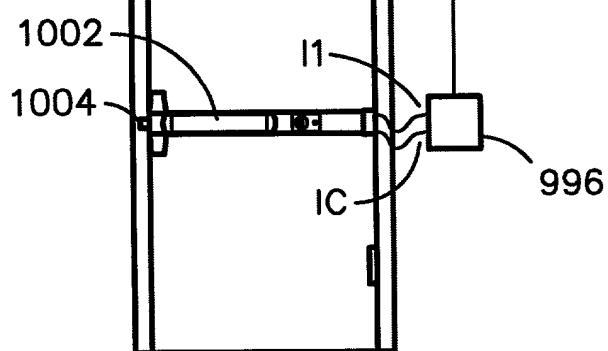
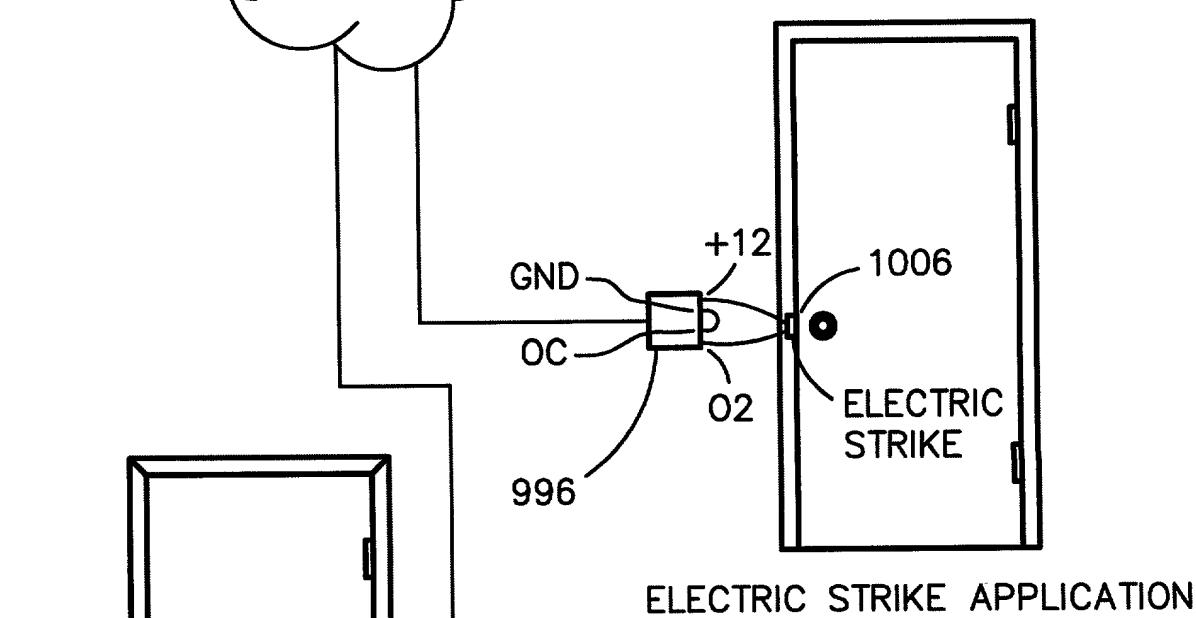
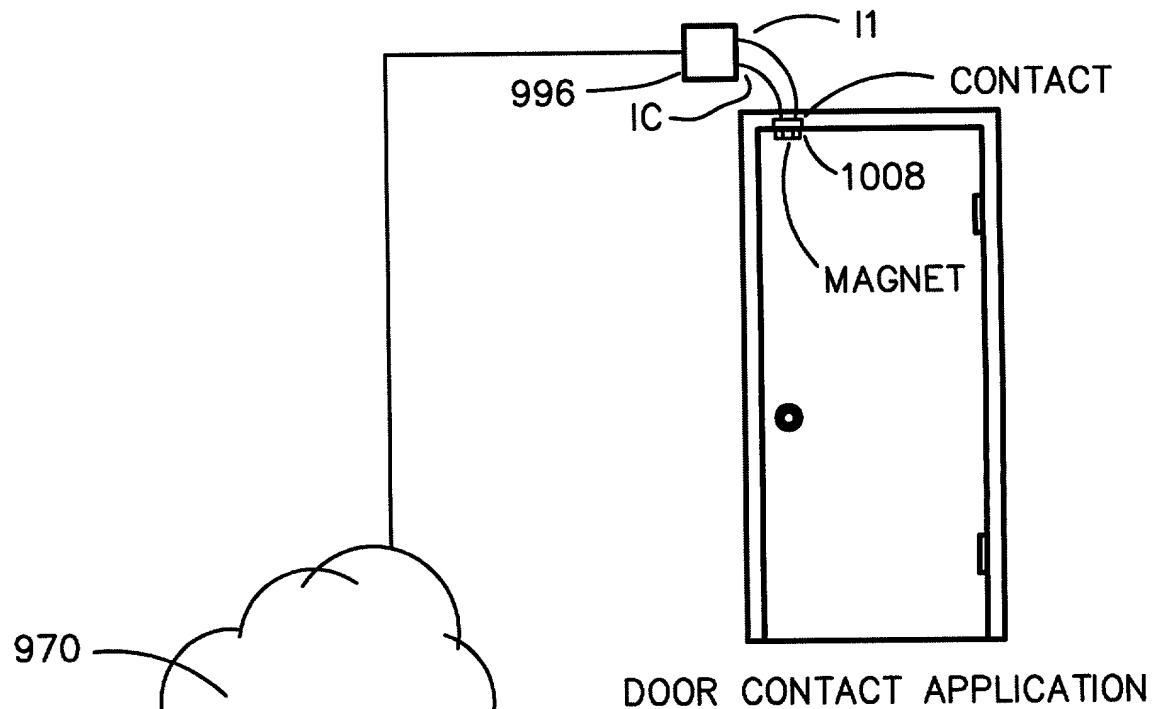


FIG. 47A

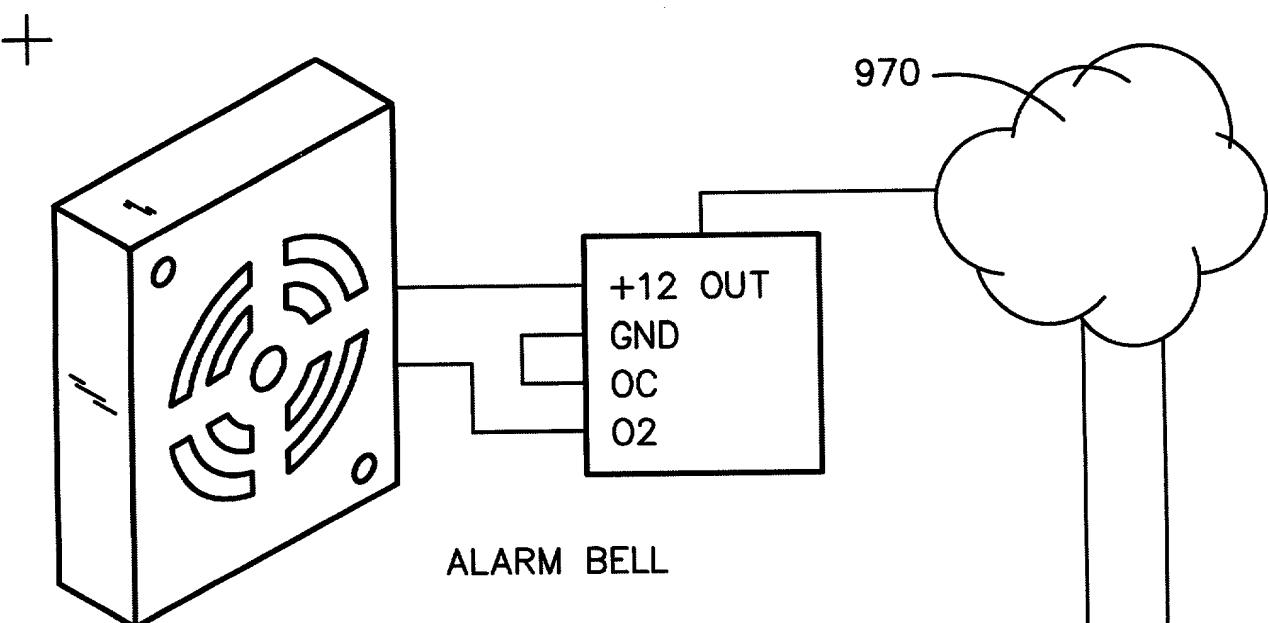
+



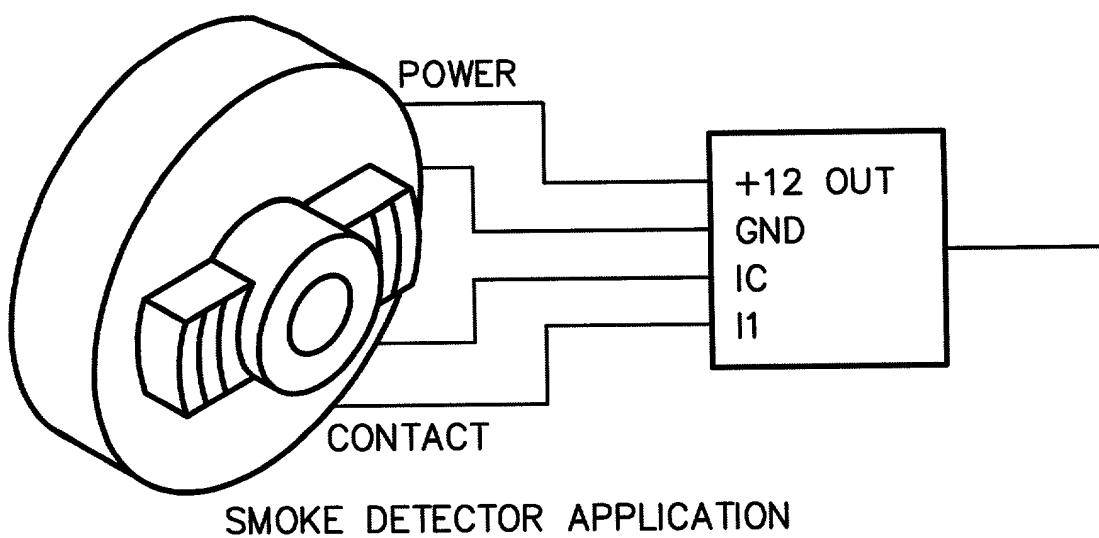
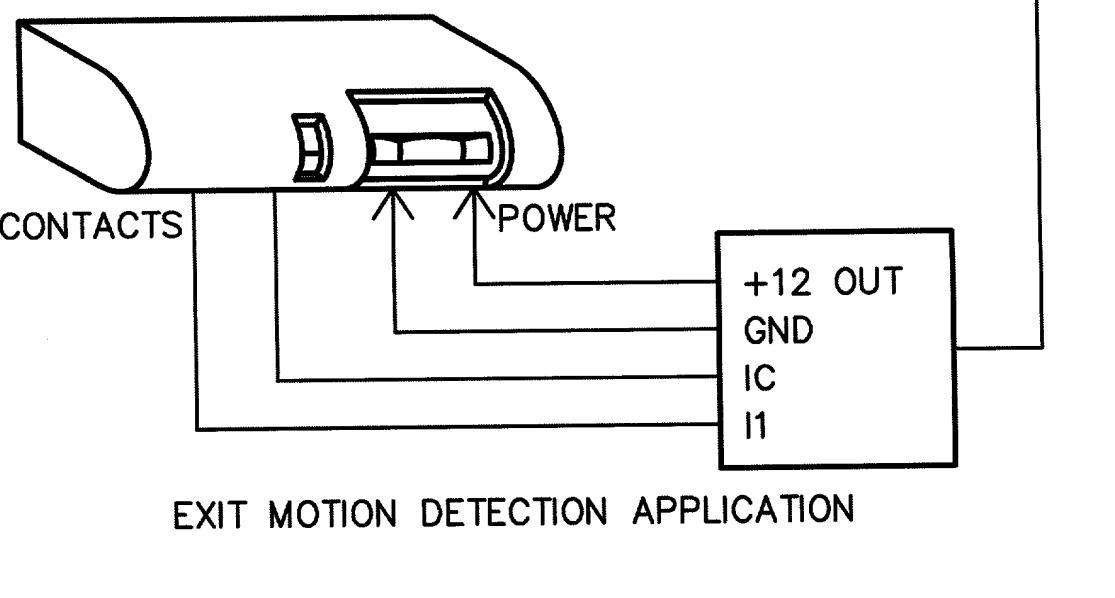
UNIVERSAL INTERFACE APPLICATIONS

FIG. 48

+



TOP SECRET//COMINT//EYES ONLY



UNIVERSAL INTERFACE APPLICATIONS

FIG. 49

+

SECURITY APPLIANCE BLOCK DIAGRAM

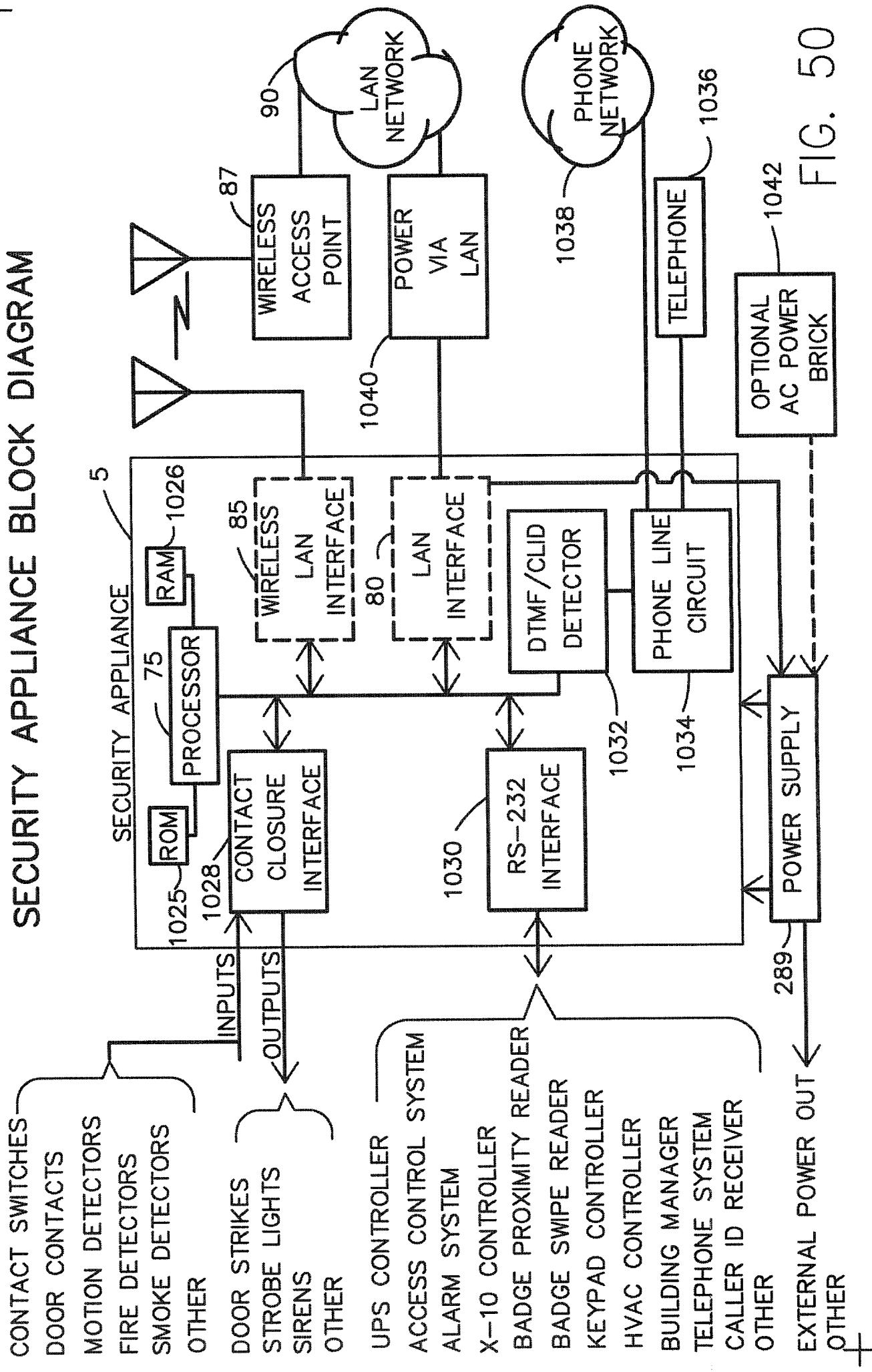


FIG. 50

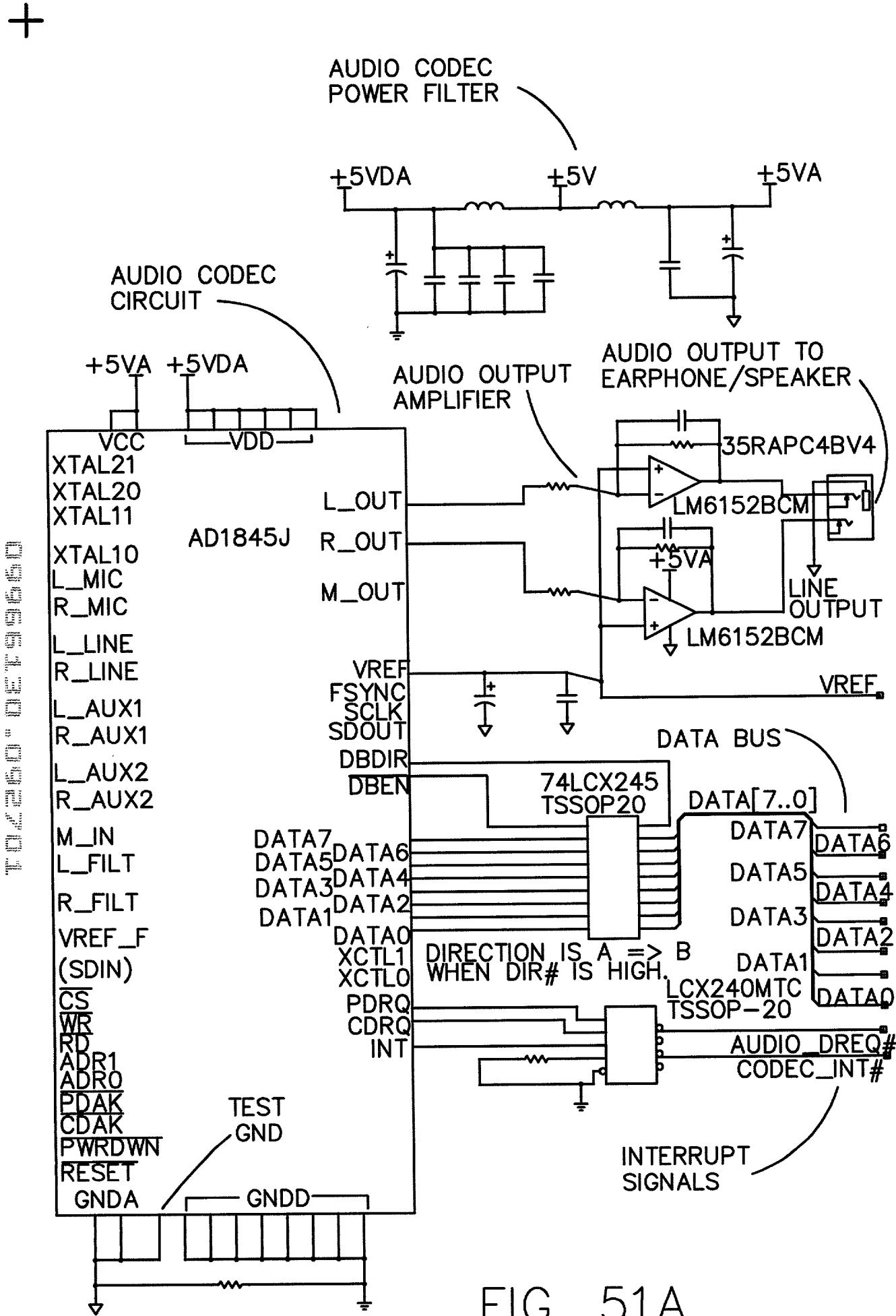


FIG. 51A

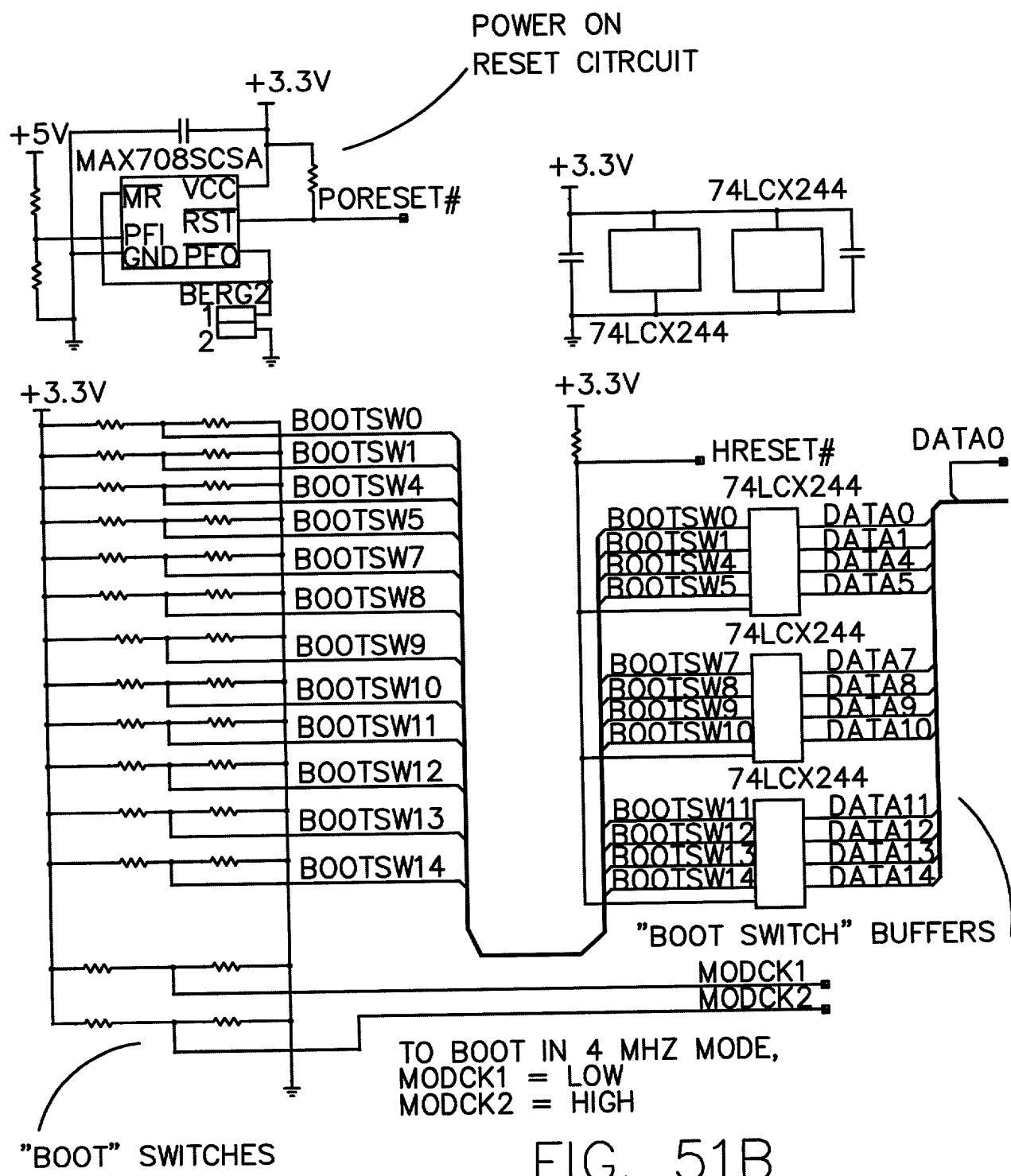


FIG. 51B

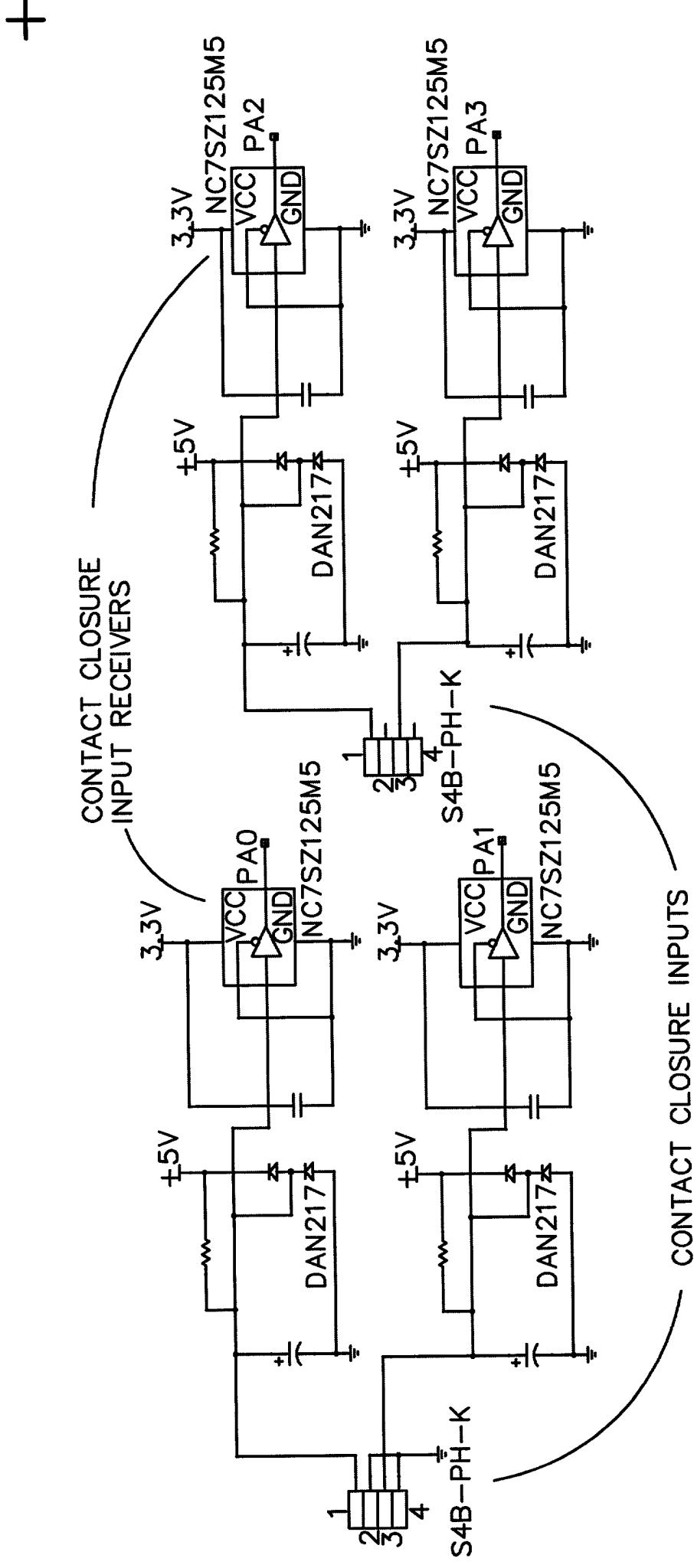


FIG. 51C

CONTACT CLOSURE OUTPUTS
(4EA SPDT CHANNELS)

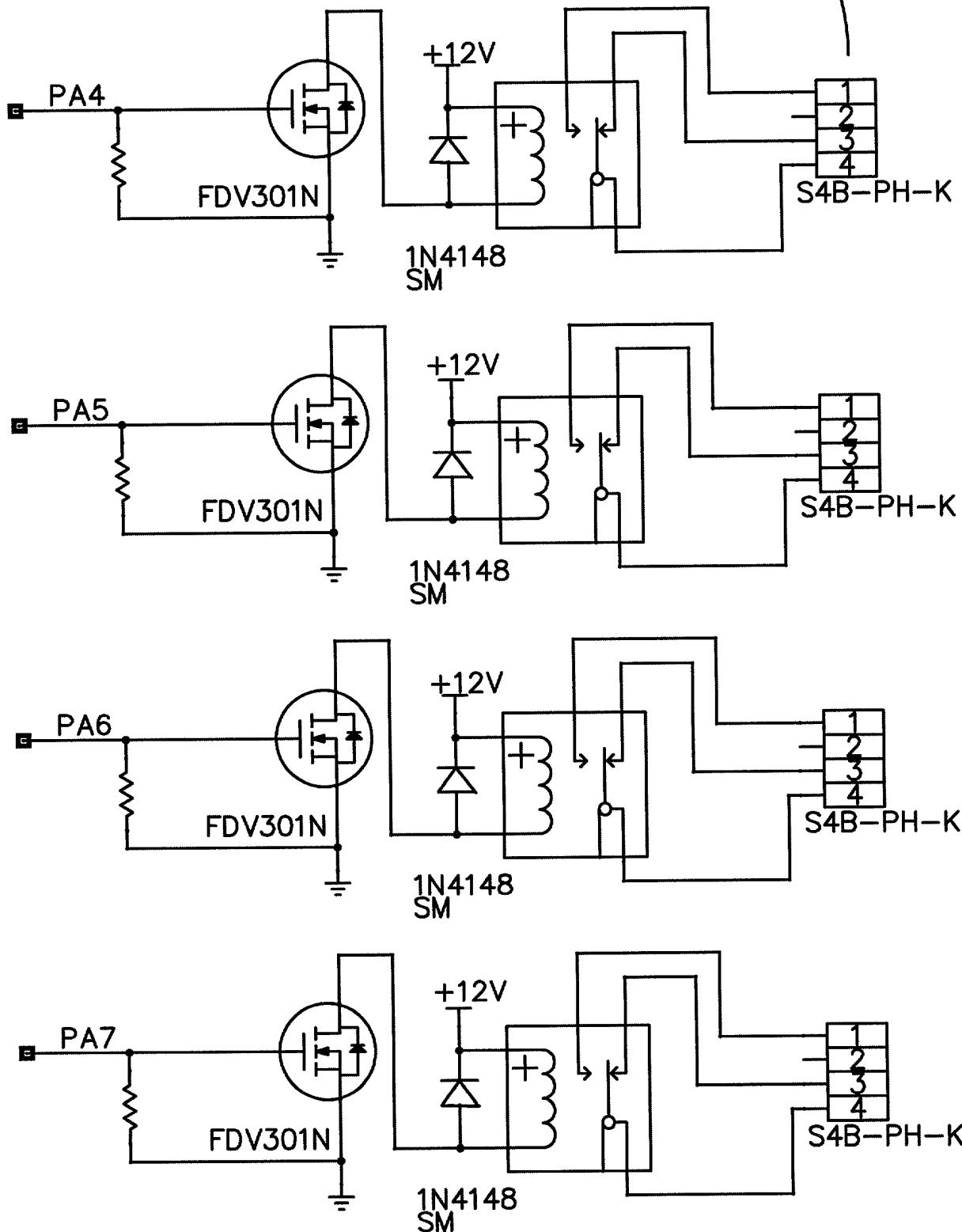


FIG. 51D

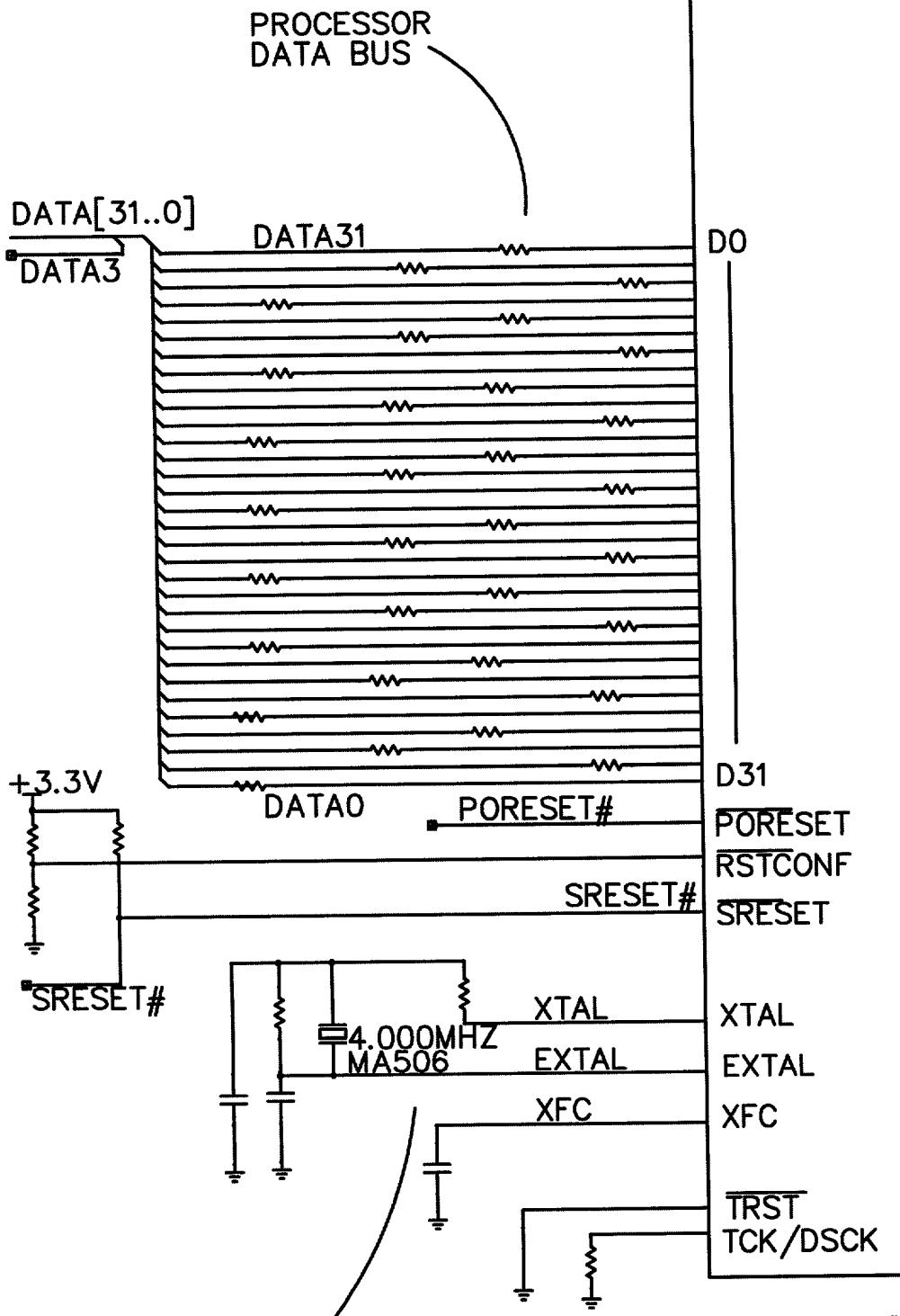
PROCESSOR
TIMEBASE

FIG. 51E



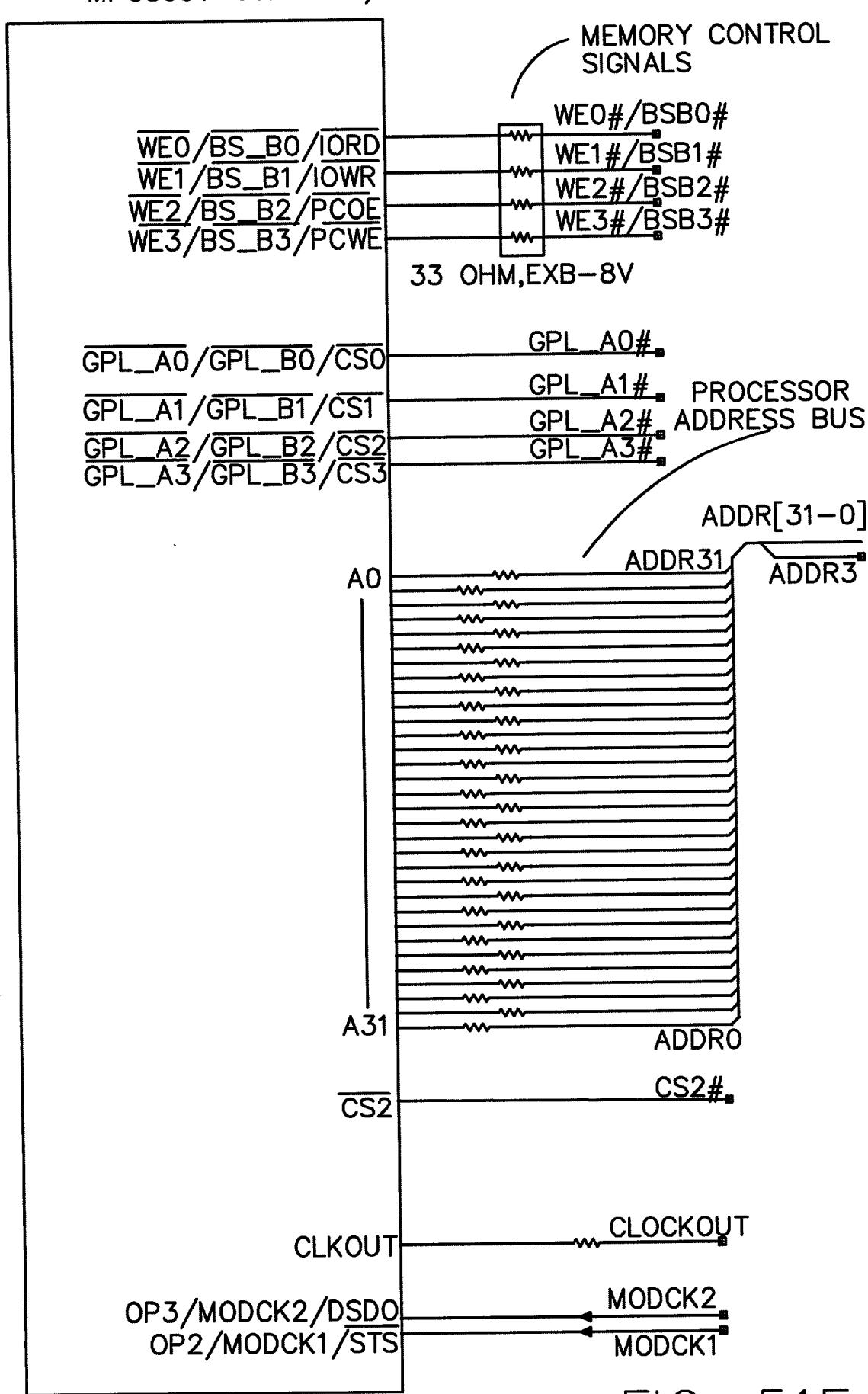


FIG. 51F

CONTROL PROCESSOR

VSSSYN
VSSSYN1

MPC855T-66MHz

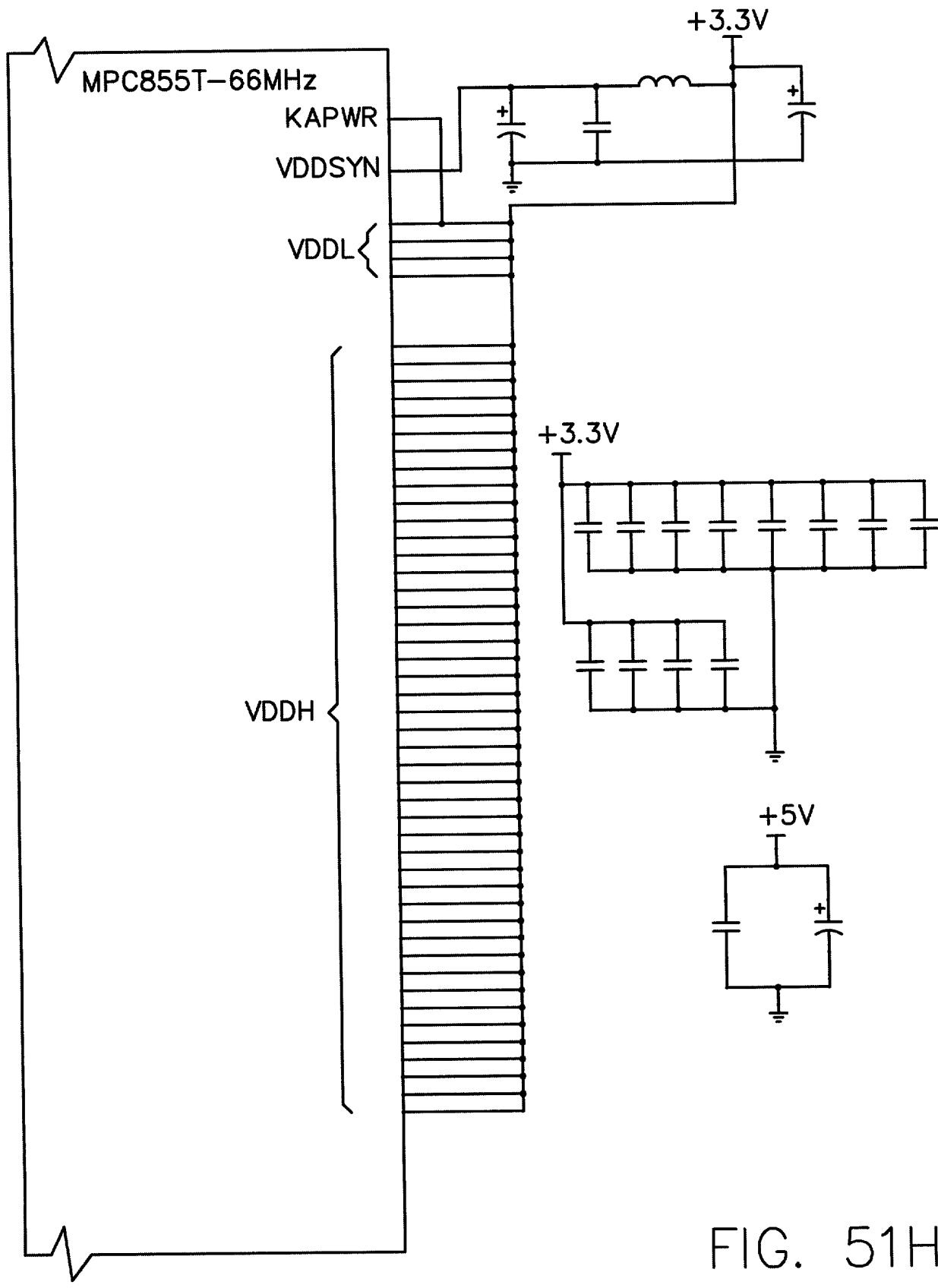
GND

GND

FIG. 51G +

+

T022601-DGT99660



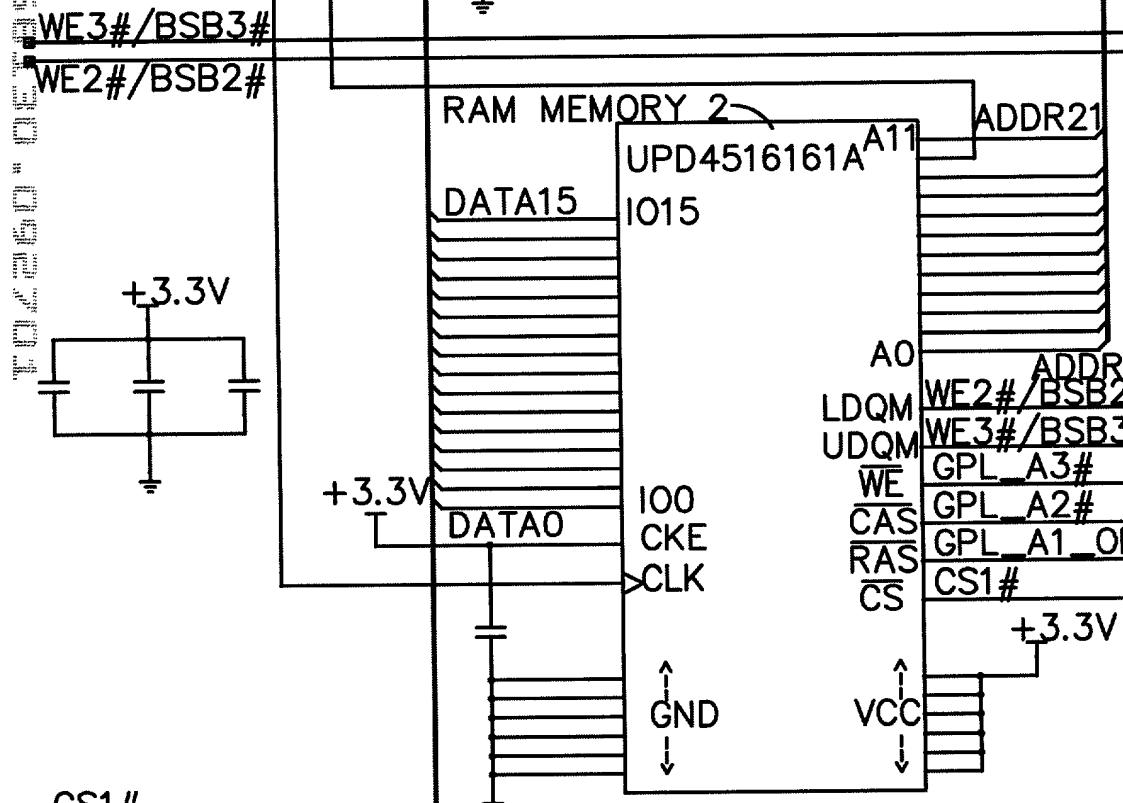
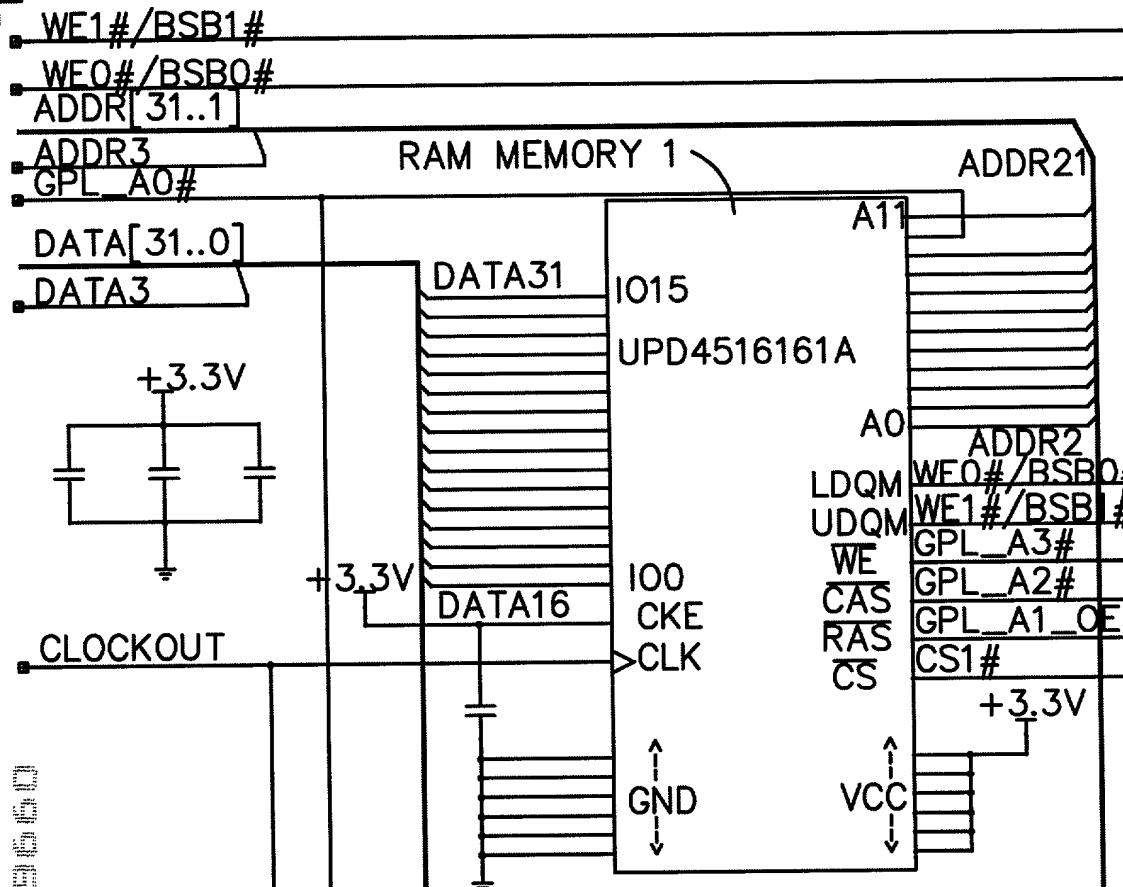


FIG. 511 +

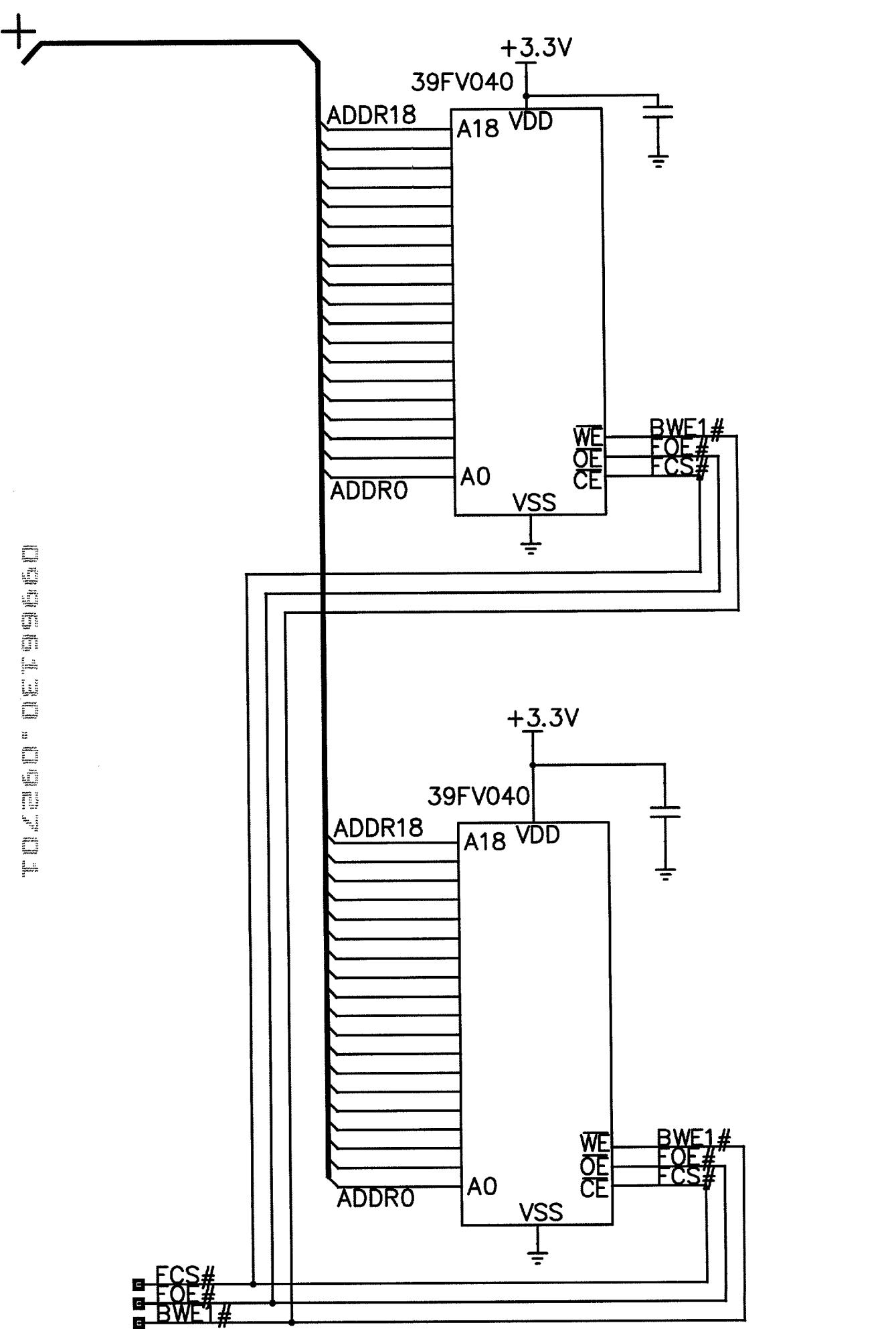
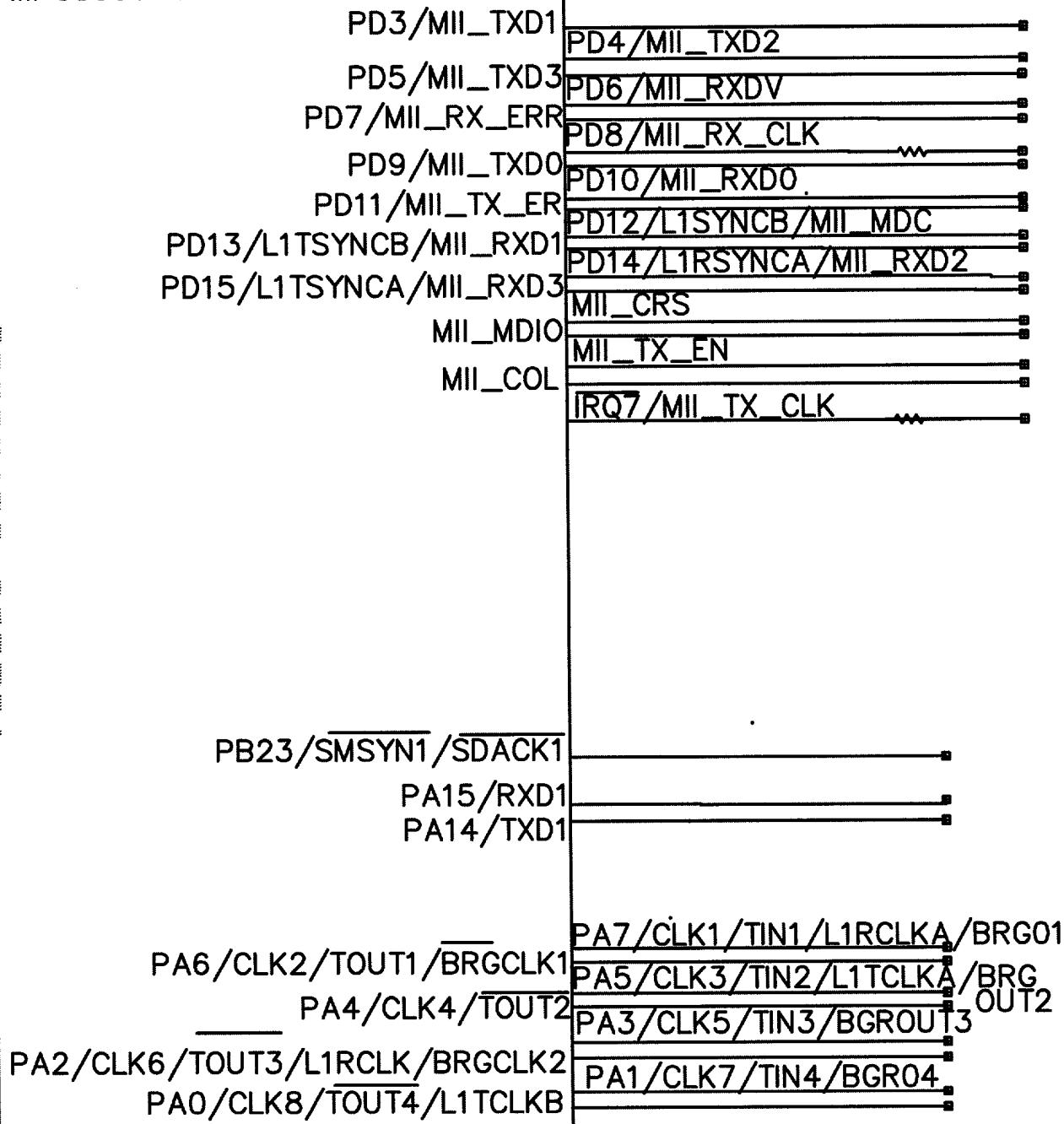
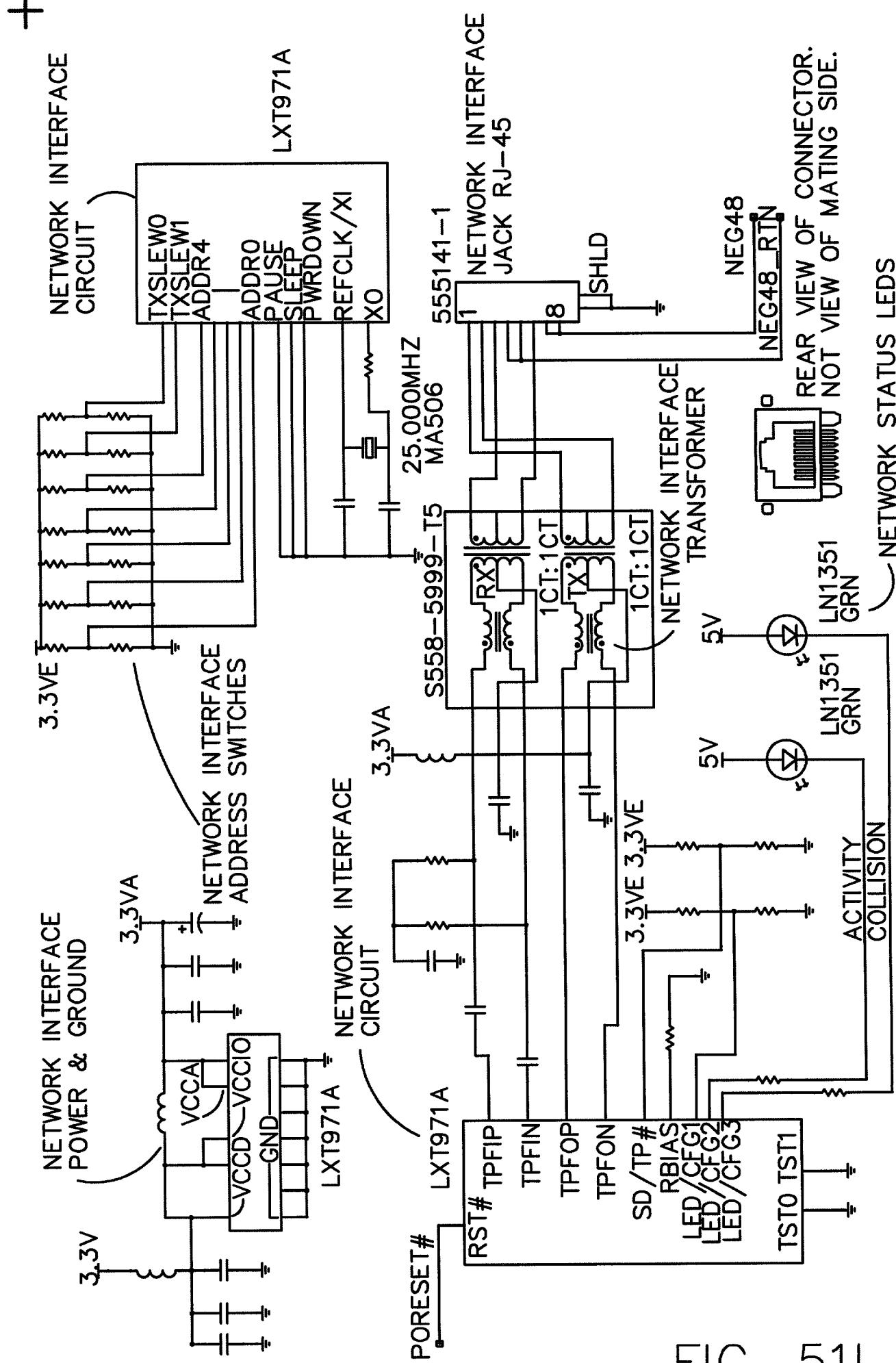


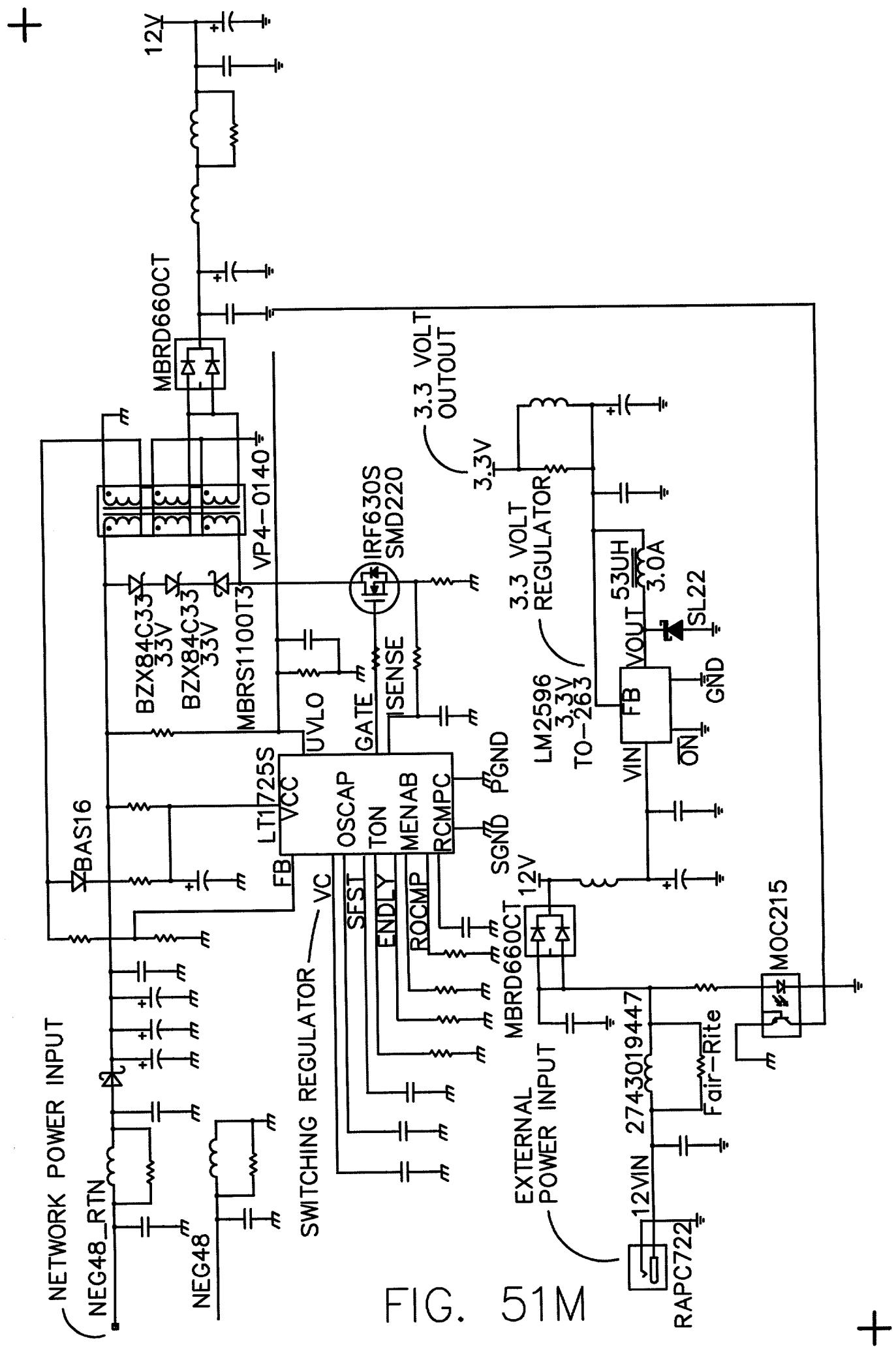
FIG. 51J

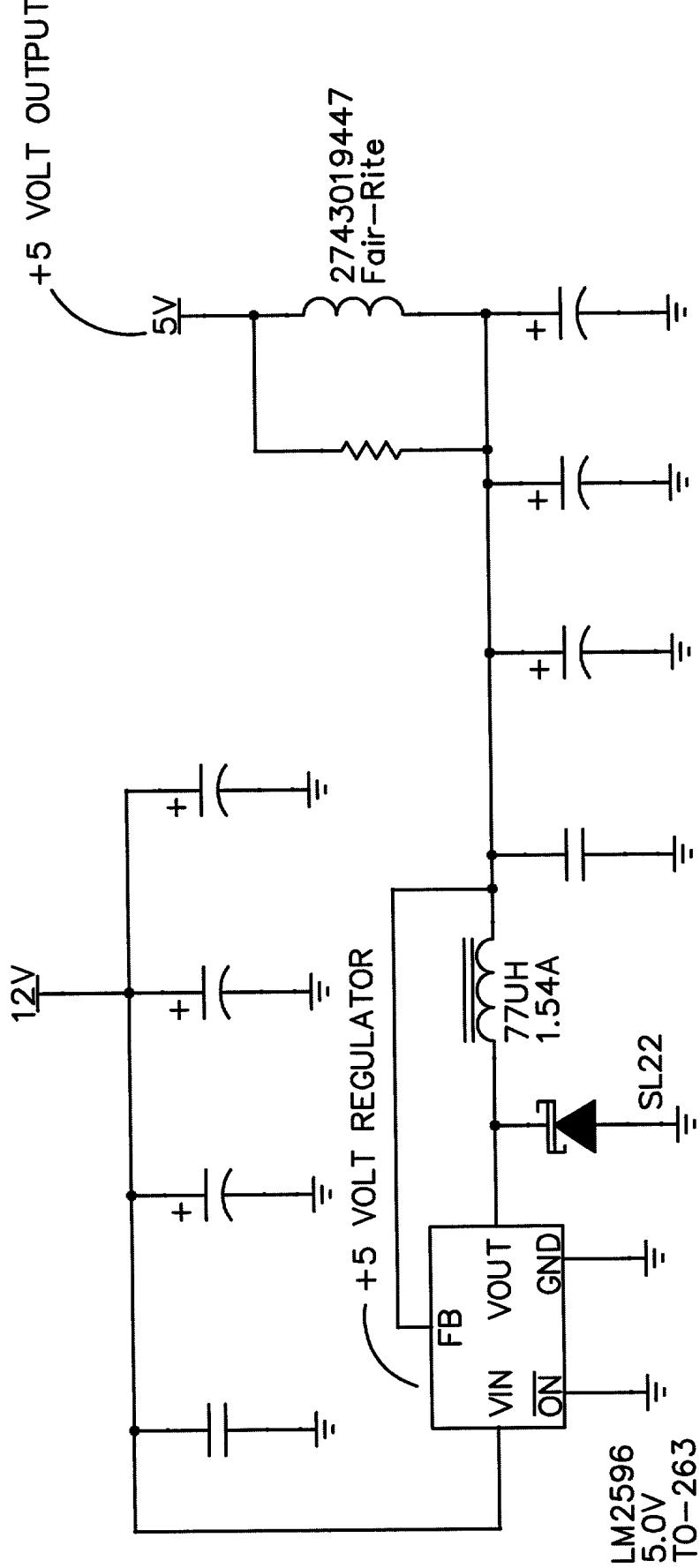
CONTROL MICROPROCESSOR

MPC855T-66MHz









5.0 V REG CIN
3 EACH OF NICHICON PARTS:
UUD1E270MCR1GS
UUD1V270MCR1GS
UUD1E330MCR1GS
UUD1V330MCR1GS
UUD1E470MCR1GS
UUD1V470MCR1GS

5.0 V REG COUT
1EA PANASONIC EEVFC2A680Q
3 EA NICHICON:
UUD1E270MCR1GS
UUD1V270MCR1GS
UUD1C330MCR1GS
UUD1E330MCR1GS
UUD1V330MCR1GS
UUD1A470MCR1GS

FIG. 51Z

+

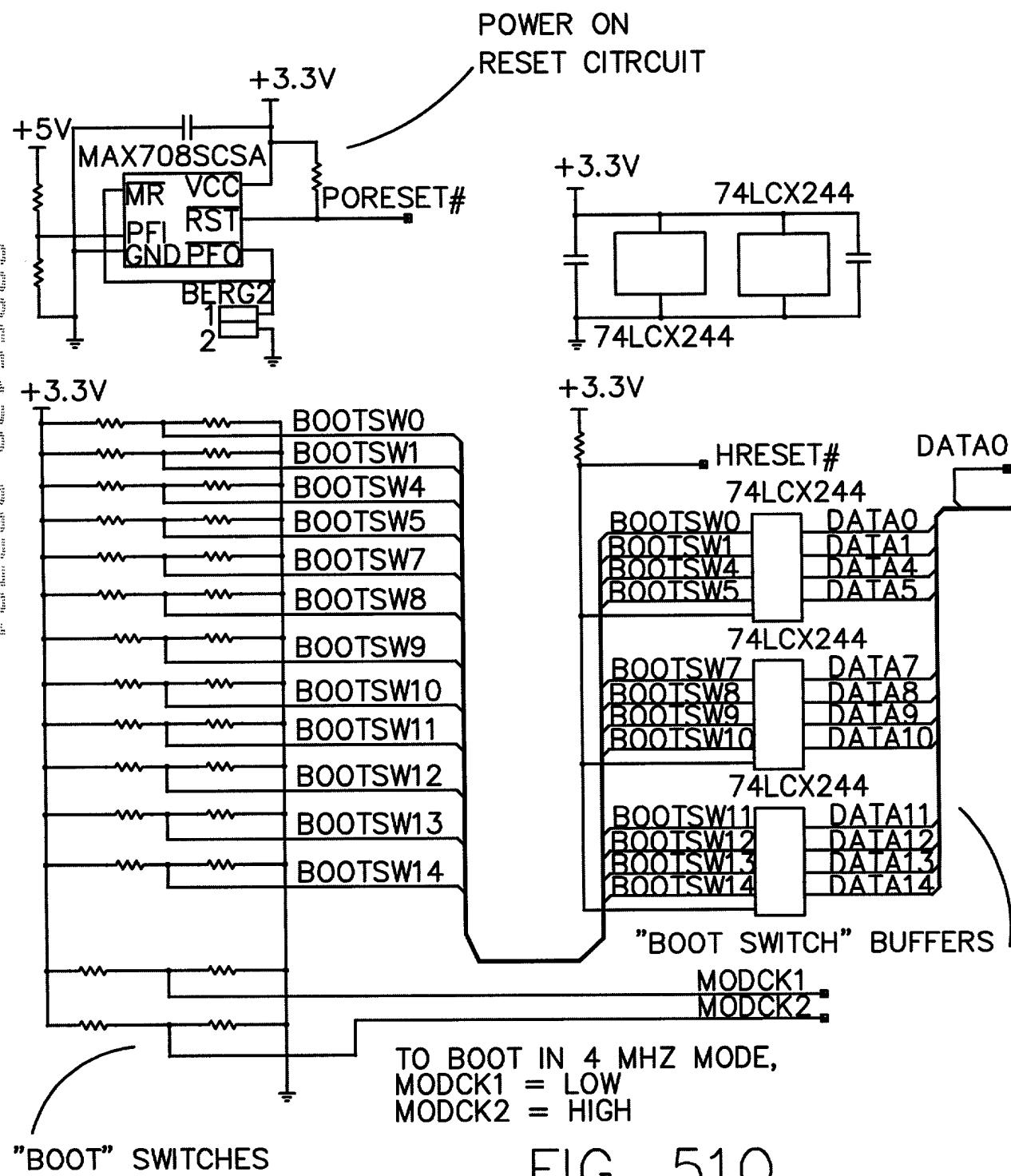


FIG. 510

+

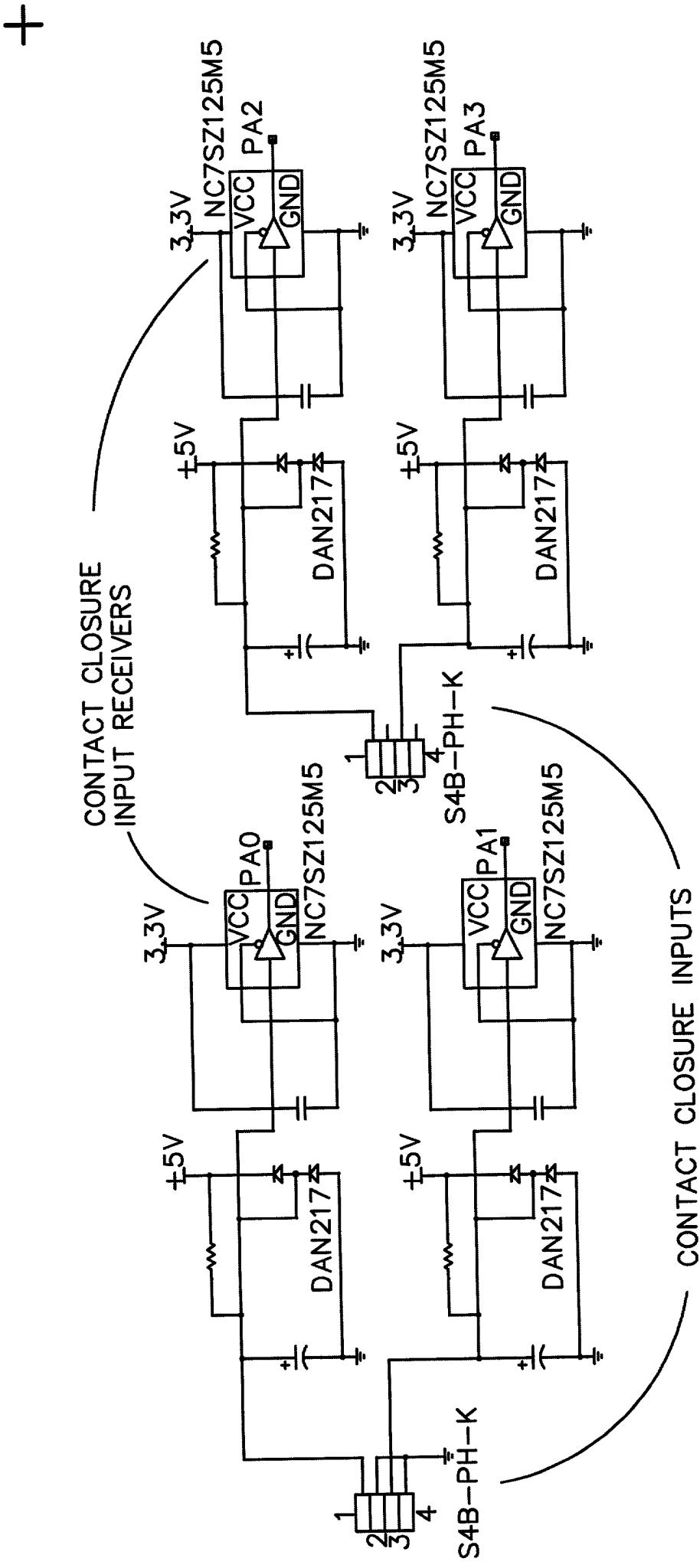


FIG. 51P

CONTACT CLOSURE OUTPUTS
(4EA SPDT CHANNELS)

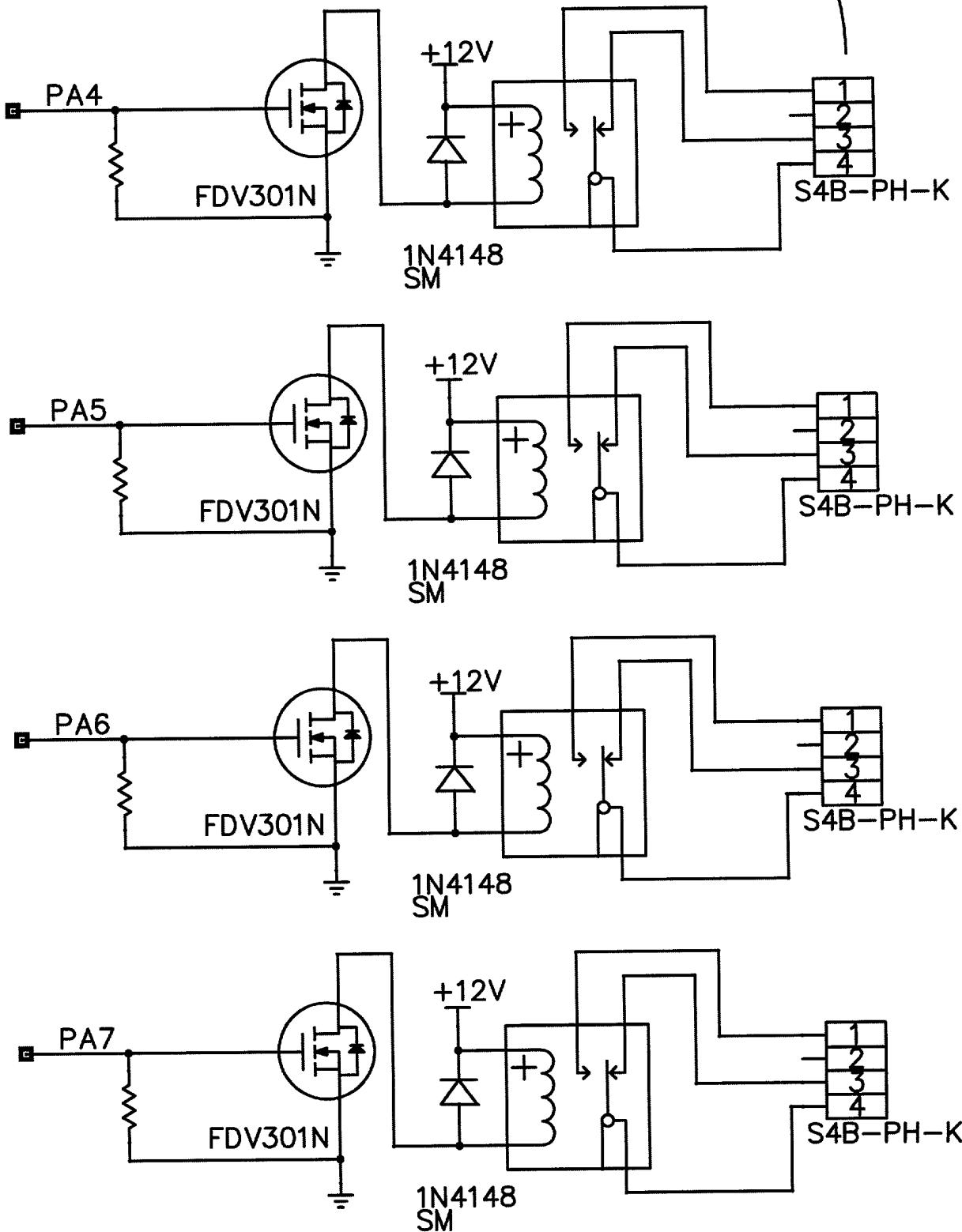


FIG. 51Q

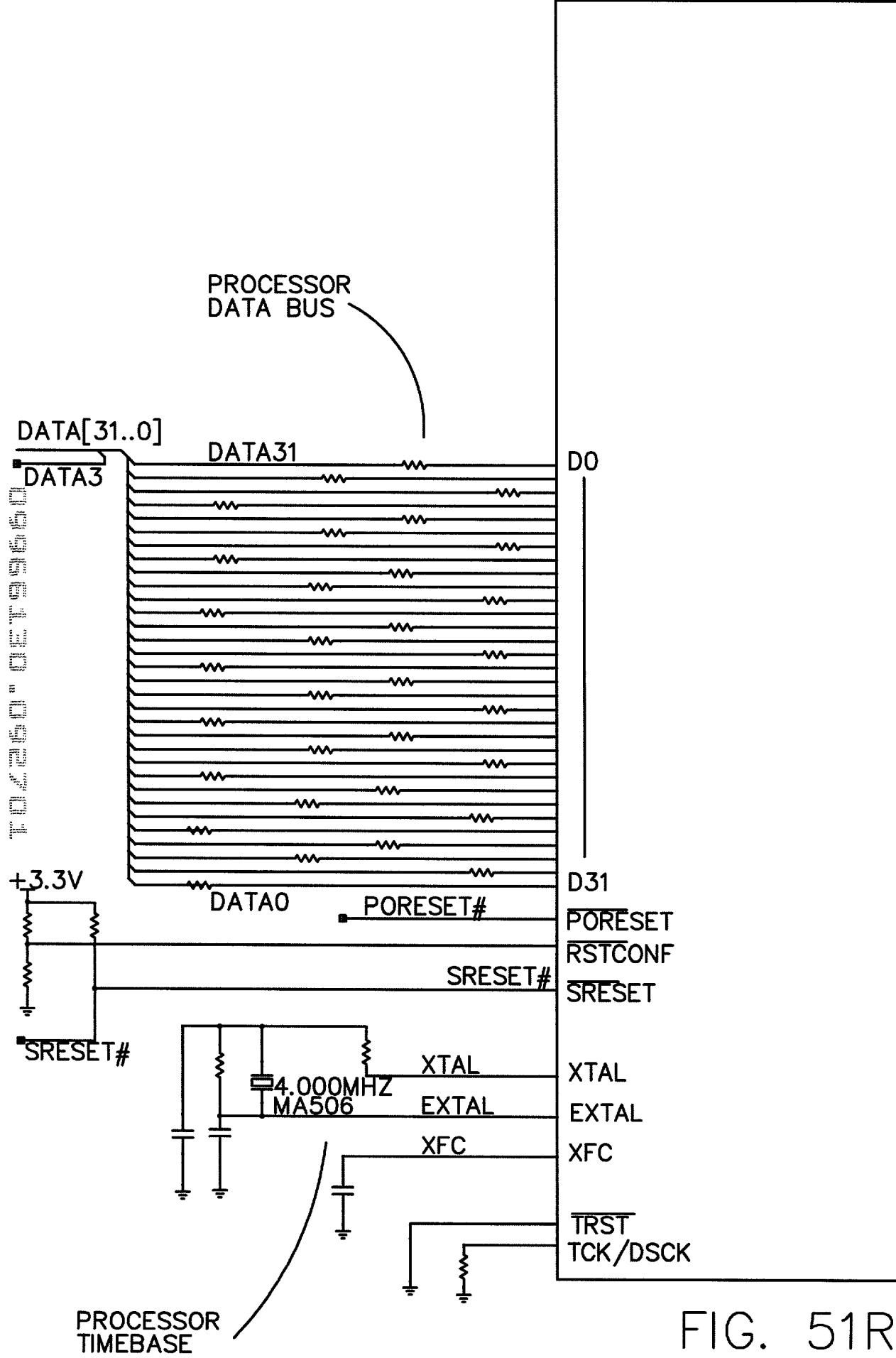


FIG. 51R

+

MPC855T-66MHz

PROCESSOR CONTROL

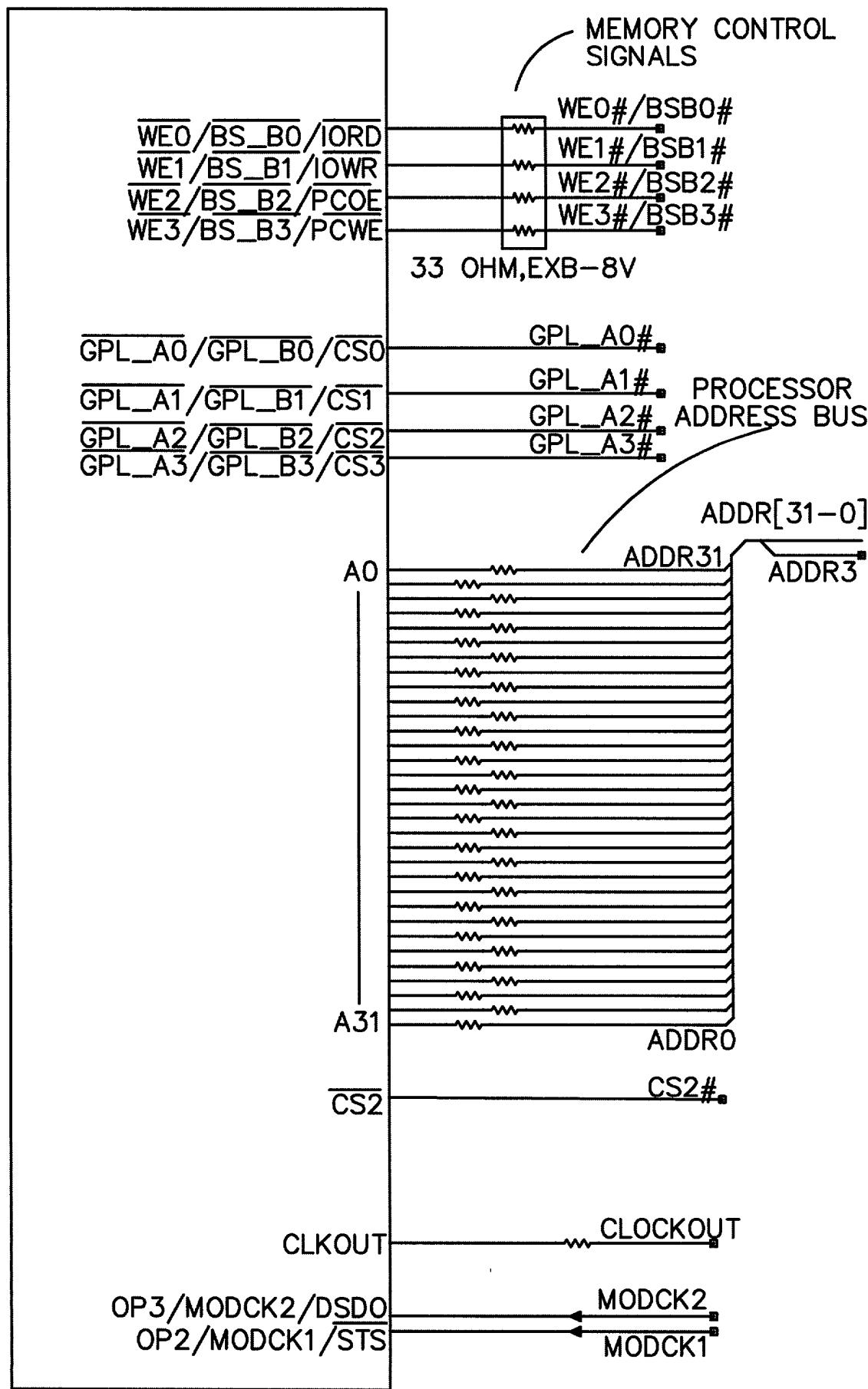
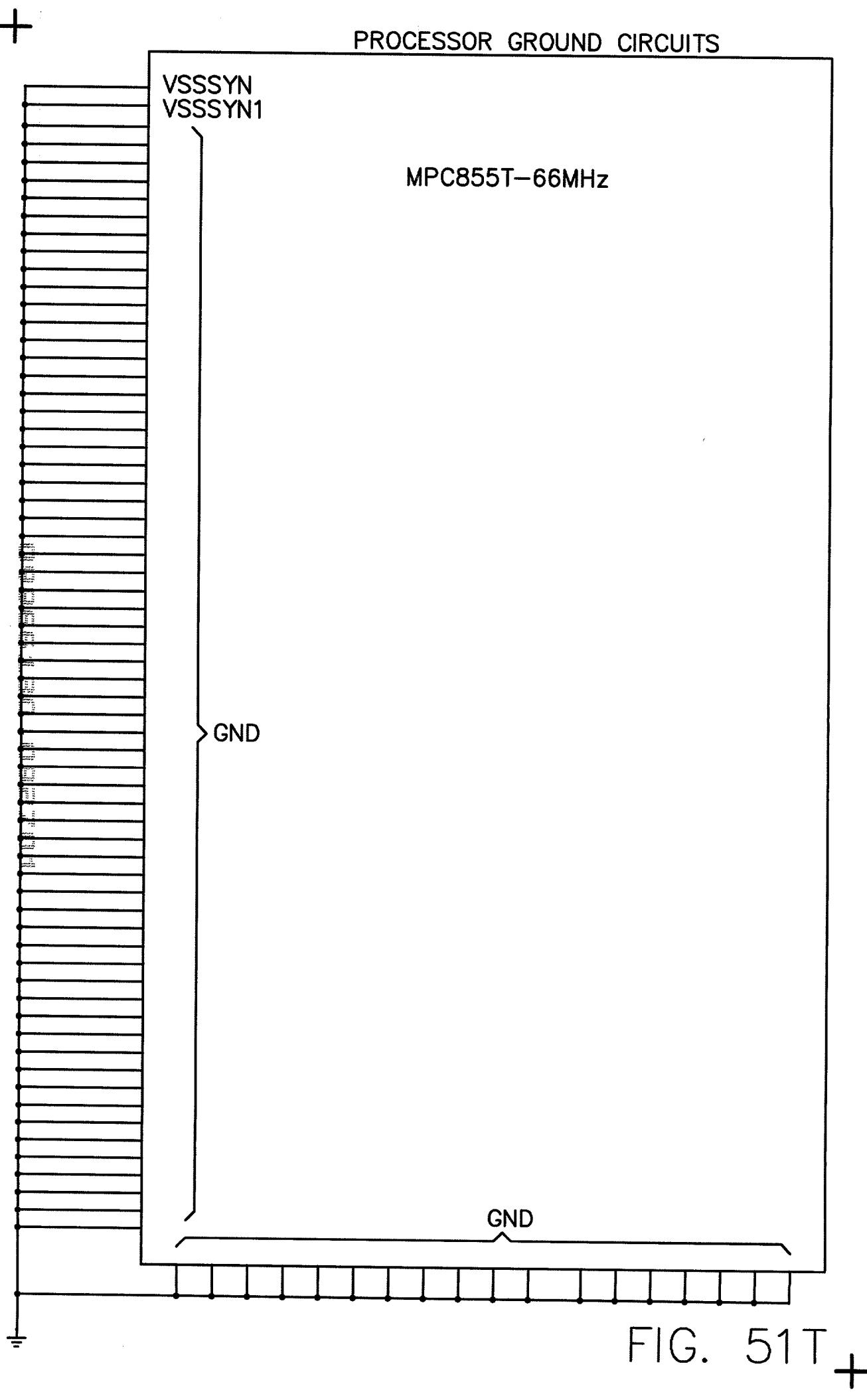


FIG. 51S

0 9 5 6 6 3 3 0 • 0 9 2 2 0 0 4

+

PROCESSOR GROUND CIRCUITS



+

TOP SECRET//
REF ID: A62260

PROCESSOR POWER CIRCUITS

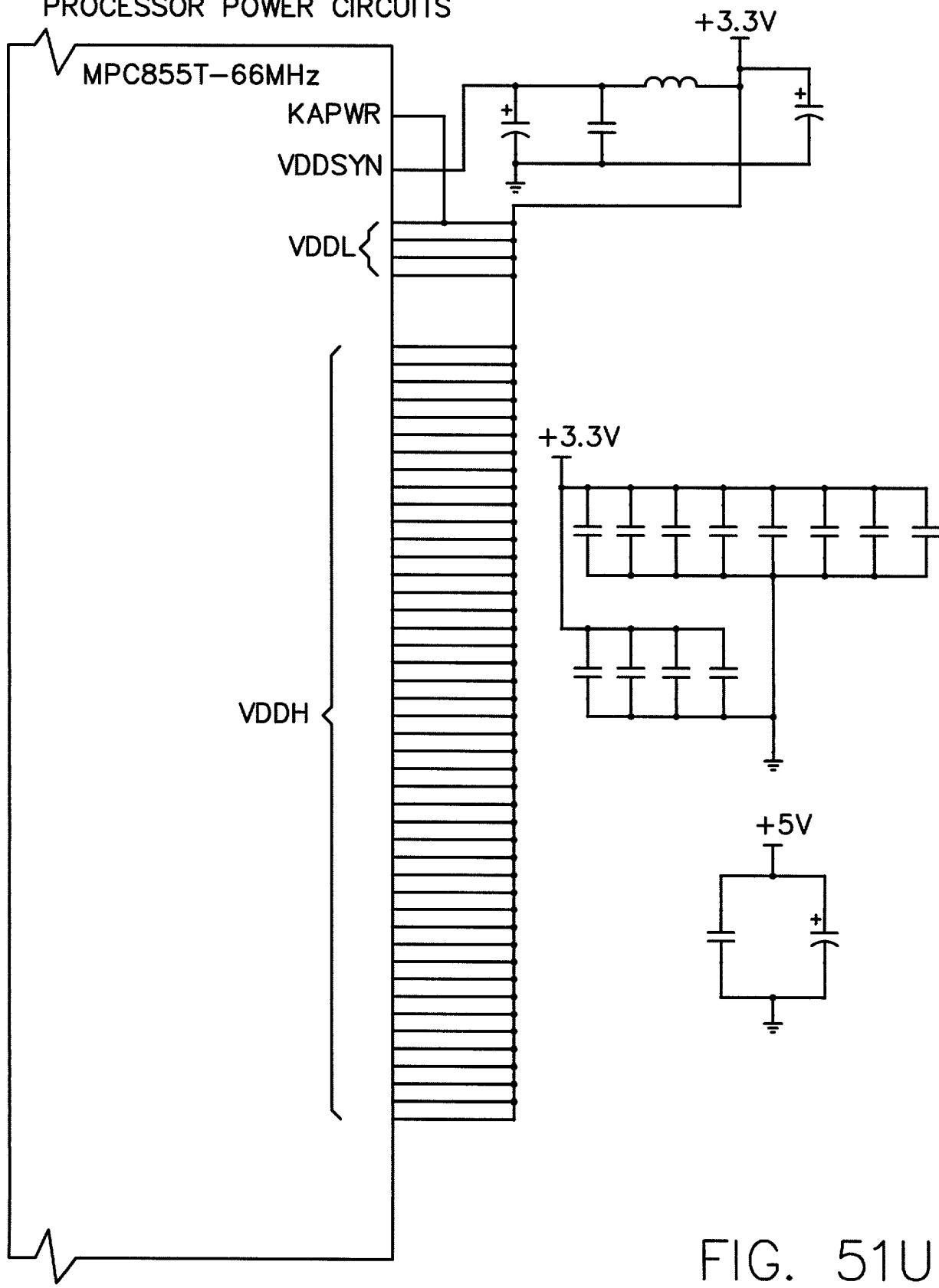


FIG. 51U +

+

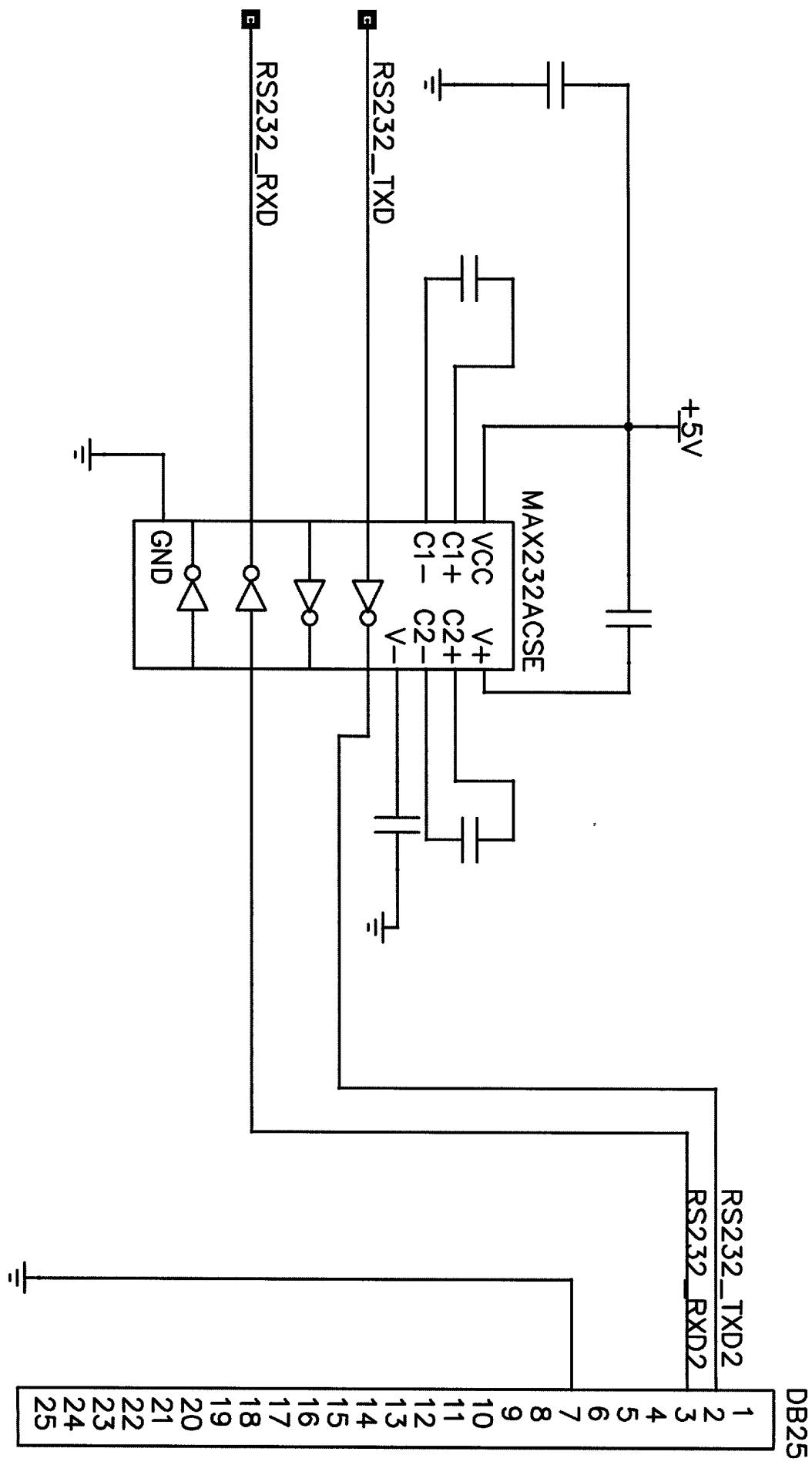


FIG. 51V+

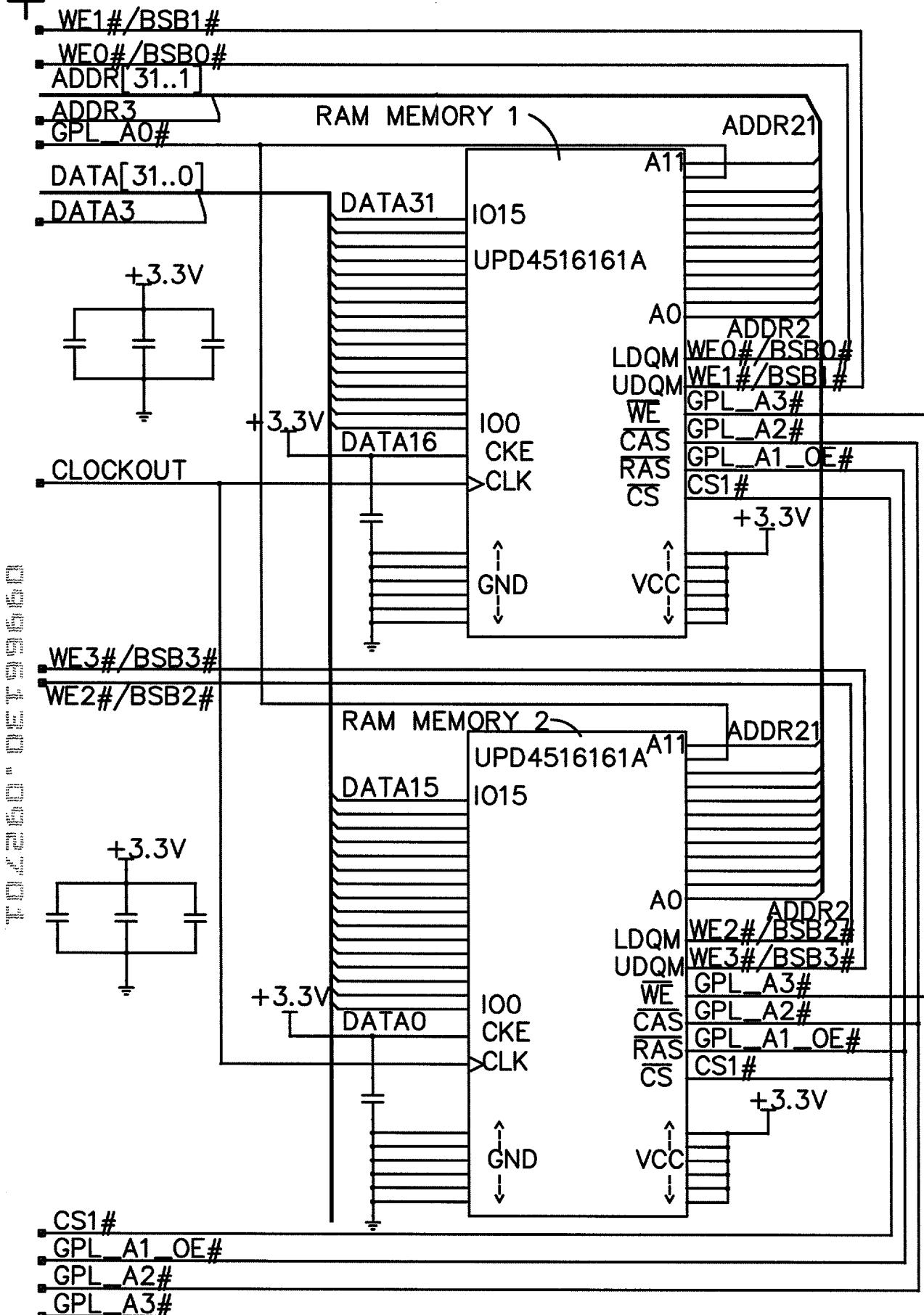
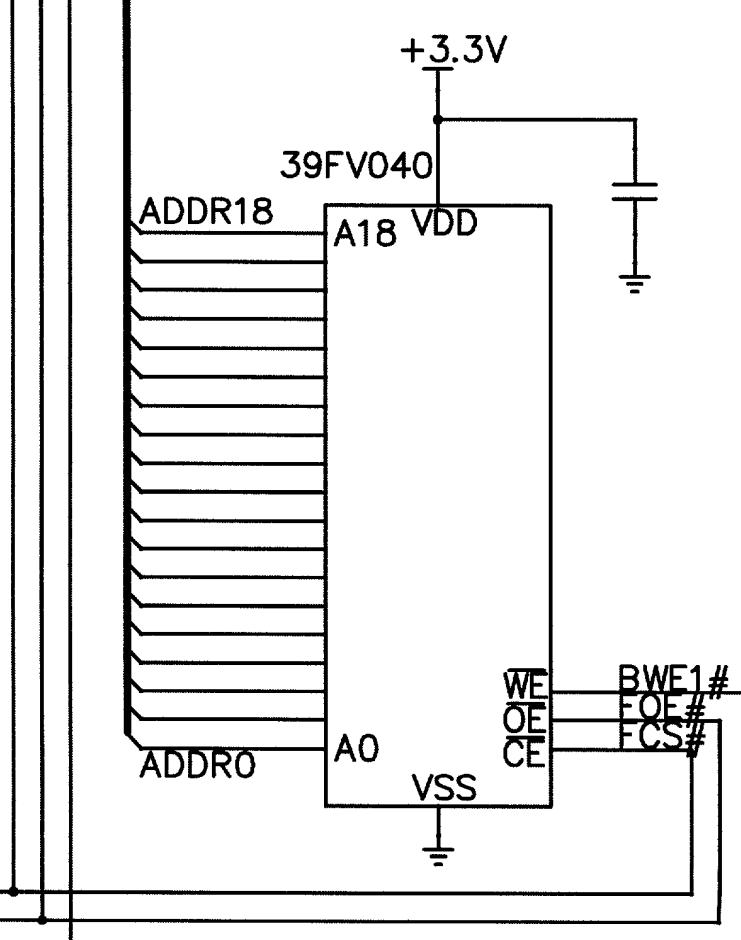
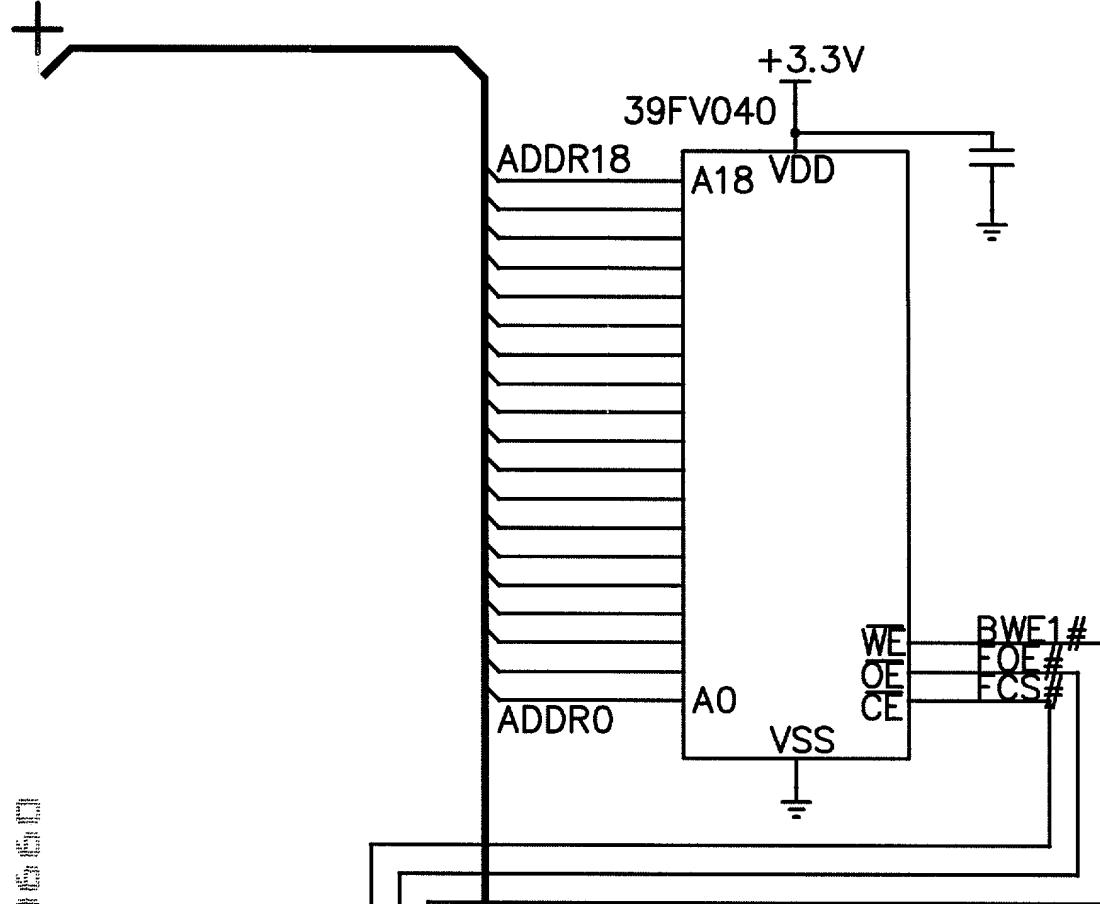


FIG. 51W+



FCS#
 FOF#
 BWE1#

FIG. 51X+

CONTROL MICROPROCESSOR

MPC855T-66MHz

PD3/MII_TXD1	PD4/MII_TXD2
PD5/MII_TXD3	PD6/MII_RXDV
PD7/MII_RX_ERR	PD8/MII_RX_CLK
PD9/MII_RXD0	PD10/MII_RXD0
PD11/MII_TX_ER	PD12/L1SYNCB/MII_MDC
PD13/L1TSYNCB/MII_RXD1	PD14/L1RSYNCA/MII_RXD2
PD15/L1TSYNCA/MII_RXD3	MII_CRS
MII_MDIO	MII_TX_EN
MII_COL	IRQ7/MII_TX_CLK

FIGURE 51Y-66MHz

PB23/SMSYN1/SDACK1

PA15/RXD1	PA14/TXD1
-----------	-----------

PA7/CLK1/TIN1/L1RCLKA/BRG01

PA5/CLK3/TIN2/L1TCLKA/BRG OUT2

PA3/CLK5/TIN3/BGROUT3

PA1/CLK7/TIN4/BGR04

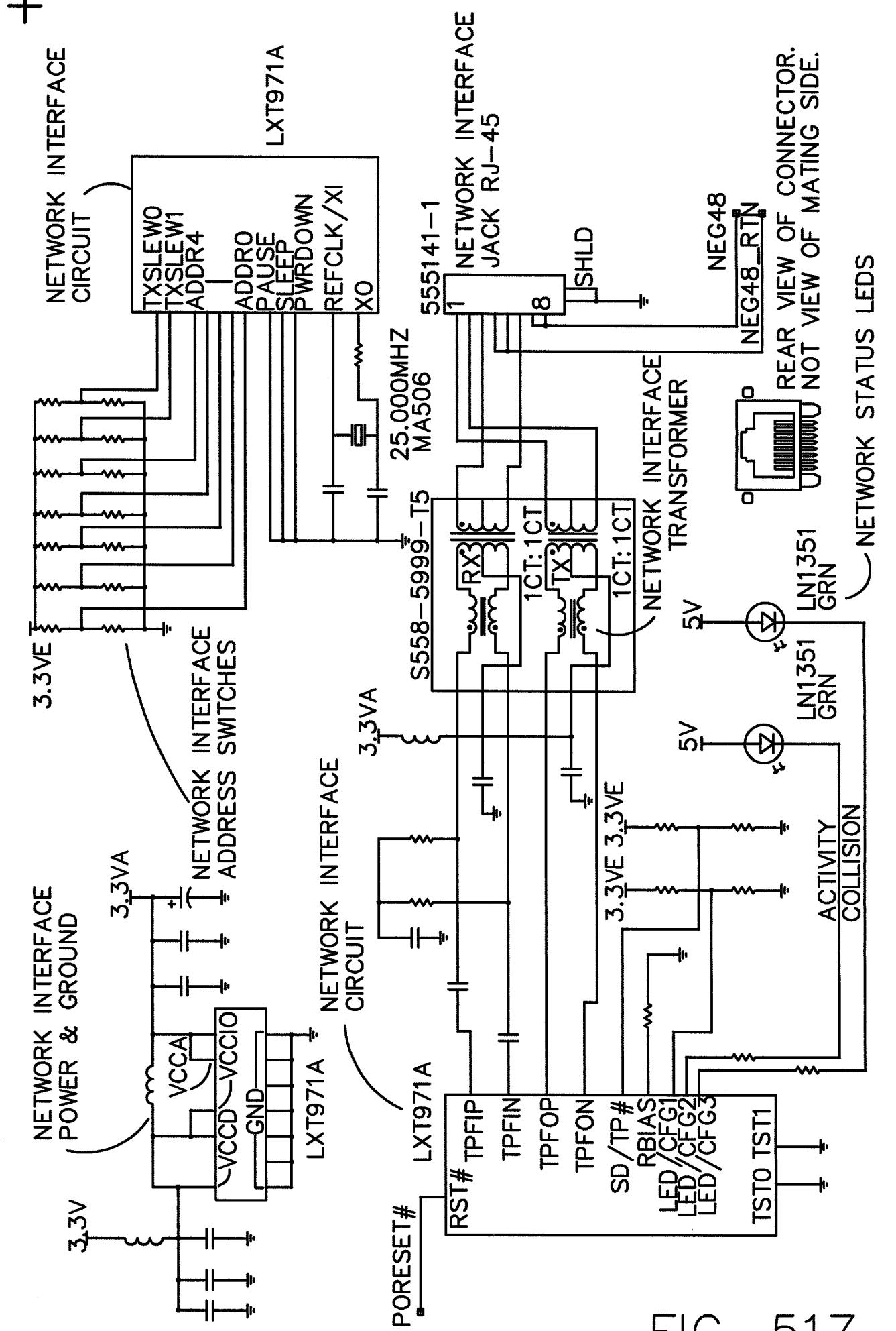
PA6/CLK2/TOUT1/BRGCLK1

PA4/CLK4/TOUT2

PA2/CLK6/TOUT3/L1RCLK/BRGCLK2

PA0/CLK8/TOUT4/L1TCLKB

TOP GND GND GND GND GND GND GND GND GND GND



F G. 51 N

